

Issue 94

September 2021

BASA Digest

TRADE JOURNAL FOR UK ADHESIVES & SEALANTS



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THE **MAX KOCHMANN** AWARD WINNERS

This accolade, in memory of one of BASA's founders and former Life President Max Kochmann, is awarded for services to the association by a company or individual.

Year awarded	Name	Company
2005	Tony Bingham	National Starch & Chemical
2006	Roger Lester	BASF plc
2007	Bob Mabbutt	Bostik Ltd (Laybond Adhesives)
2008	Norman Purcell	Sealock Ltd
2009	Lorna Williams	Eastman UK (Synthomer)
2010	Paul Armit	Itac Ltd
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2012	Will Barclay	Geocel Ltd
2013	Line Willis	Henkel UK
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2015	John & Lynda Murdoch	JMA
2016	Neil Sanders	F Ball and Company Ltd
2017	James Igoe	F Ball and Company Ltd
2018	Jim Palmer	J P Consultancy Ltd
2019	Mark Louch	Mapei (UK) Ltd
2020	James Follows	Apollo Chemicals Ltd

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www.basa.uk.com

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Lorna Williams

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Secretariat update

Hopes of a rapid post-Covid recovery for BASA Members is being hampered by the relentless raw materials price rises and general lack of availability. The supply issues in the Construction industry have been widely discussed in the press and by the Construction Products Association and my article in the July BASA Bulletin (Issue 93 under Publications at www.basa.co.uk) gave some details on the wider issues we face in our sector that go beyond timber, metal, glass and cement shortages but the latest survey of BASA Members has confirmed that the situation continues to worsen and leaves us feeling that there is no end in sight, and things may well get worse before they get better. The recent Hurricane Ida and its effect on the Petrochemical plants along the central Gulf of Mexico just reinforce the unpredictability.



BASA Council are working with Helen Curry from Foundation PR to support BASA members in terms of improved communication and data provision. Please read Helens initial article on page 11 and expect to start to see more from BASA on this topic in the run up to the end of the year.

We are also running a short but important survey for members to provide support data and this survey is still open. If you have not yet submitted your feedback, please do take 5 minutes to take the survey found on the members area of the website under Business Steering Committee WG. The analysis of the survey data to date

has highlighted that Members are facing 30% increases in monomer, polymer and solvent purchases and 10-30% increases in pigments and surfactants. Even the filler/extender prices have risen by up to 10%, so that's price rises on most of the substances BASA Members use to formulate products. If you add the 10-30% increases in packaging, the longer lead times, and the tight freight availability to transport the finished products declared in the BASA survey then it is no wonder that customers are seeing the prices of adhesives and sealants increasing.

I hesitate to add to the pain by mentioning UK REACH, but I would urge you to look at BASA's feature article on page 12 where I will discuss some of my concerns with BASA's technical consultant Caroline Raine and outline some areas where we are really worried about the impacts of the current legislation on BASA members.

On a more positive note, we are now informed that legislation to stop the recognition of CE marking on the GB market will NOT be passed to enforce the originally promoted 1st January 2022 deadline. MHCLG have confirmed that legislation to end recognition of CE marking for products placed on the GB market will be put in place to enforce a new date of 1st January 2023. There is also recognition that we may need additional provision to be included in that legislation to deal with testing capacity or capability issues.

See this news article on the BASA website and all other updates at: www.basa.co.uk/Home/News



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BASA NEWS



BASA Member companies reminded to send in any articles for inclusion in the next BASA Publication by 5pm 3rd September 2021!
Published: 25 August 2021

We will be producing a printed BASA Bulletin/Digest including elements of the Members Directory for distribution at ChemUK on 15-16 September - we would like to include Member Company stories if you have any news or information you would like us to include. This is a Member only benefit - so please take advantage of the opportunity to promote your company!



OFFICIAL - Date for ending recognition of the CE mark in Great Britain - EXTENSION TO 1/1/2023
Published: 24 August 2021

BASA has today been advised by MHCLG that that Government has just announced plans to introduce legislation which will enable CE marked goods to continue being placed on the Great British market until 1 January 2023



Consultation on proposed changes to the COMAH Regulations 2015
Published: 20 August 2021

HSE is currently carrying out a consultation exercise relating to administrative changes to the Control of Major Accident Hazards Regulations 2015 (COMAH) which are required because of the dissolution of Public Health England (PHE).



See the latest UKCA marking guidance available to BASA members on the CPR task group
Published: 10 August 2021

We have published some new guidance documents today that may be useful for BASA members struggling with the confusion of UKCA marking of construction products.

A new era for R&D tax relief: Vital funding for UK chemical manufacturers



For many UK chemical manufacturers, R&D tax relief is a tried-and-trusted way to fund investment in innovation. The incentive offers firms a steady source of cash to hire more staff, develop new products and overcome shocks like COVID-19 and Brexit-induced supply chain disruptions. And with pressures to digitise the sector too, R&D funding can be a vital tool to drive efficiencies and support the industry's digitisation agenda.

But just as the UK manufacturing sector has undergone much change in recent times, so too has R&D tax relief. Many chemical manufacturers are now familiar with the incentive, but aren't up to date on recent policy developments which have changed key details of how to claim.

The changing market of R&D tax relief

HMRC has grown increasingly concerned about errors (and outright fraud) occurring in R&D tax relief claims. As such, it has introduced several measures aimed at improving the quality of R&D claims (such as 100 new compliance staff to its R&D unit).

Concerns about error and fraud have been worsened by a marked increase in unregulated, spurious tax advisers offering businesses bad advice or poor-quality service. Many legitimate, unsuspecting businesses have found themselves facing difficult questions from HMRC alone as their adviser lacks the necessary skills to support them.

More generally, there's been a tightening of HMRC's approach to R&D tax relief rules and guidelines. For example, HMRC has challenged some SME R&D tax relief claims for customer-led

projects, on the basis that customers are subsidising the underlying R&D.

"Despite all these changes to R&D tax relief, the opportunity to benefit is still there. UK chemical manufacturing is highly advanced, and the sector is research and development intensive. These policy changes won't cut eligible businesses out – that is, if they make the adjustments required. As manufacturers enter a critical period post-Brexit and post-pandemic, R&D tax relief remains a powerful source of funding."

- Peter Beavis MSci PhD,
chemicals and materials
sector specialist at
ForrestBrown.



ForrestBrown[®]
R&D tax credit consultancy

How to proactively sense check your claim:

If you're unsure about your current R&D tax relief position, there are a few quick, common-sense steps you can take.

Quality check your adviser: Your adviser should be a regulated member of a professional body, like the Chartered Institute of Taxation (CIOT). Not all advisers are, and this means they are unregulated.

Sector expertise: A robust R&D tax relief claim is built on a mix of expert tax advice and sector insight. If your adviser lacks this expertise, you should strongly consider finding one that does.

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Get enquiry ready: Most HMRC enquiries take several months to resolve and HMRC will need to speak to your 'competent professionals'. They need to be fully prepared for what can be a detailed and time consuming, and even nerve-wracking, process.

Why now is a good time to claim for the first time

There is a lot of change happening in the realm of R&D tax relief policy. But let's be clear, this is a positive thing. The incentive has grown and grown, and now is the right time for the government to recalibrate its approach.

But for manufacturing firms, there's a risk of being caught out at a time where they need R&D tax relief the most. This risk can, however, be managed effectively by working with the right adviser.

ForrestBrown works with government at the policy level and ensure our clients are prepared for any changes. R&D tax relief remains a powerful incentive for chemical manufacturers – but the right advice makes a world of difference.

ForrestBrown are hosting a webinar for BASA members on the new era for tax relief at **12pm on the 11th October 2021**. Please come along and join us to learn how these changes may impact your business. Event details will be added to the BASA website.

Understand your contract: Check the scope of work in the contract – is enquiry support included? Keep an eye out for restrictive tie-ins and termination clauses, and make sure you fully understand the proposed fee structure.

Know your R&D tax relief claim: What precisely are you claiming for? In recent times, HMRC's expectations for evidence and records to support an R&D tax relief claim have increased. It's up to manufacturers to clearly define their specific project boundaries. Essentially, do you know what you are claiming for and why?



visit: www.forrestbrown.co.uk

Technical Overview



J Palmer BASA Technical Officer

To coin a much over used phrase these days, we are living in unprecedented times. The 'perfect storm' created by the combined cumulative effects of the pandemic, Brexit and plant breakdowns leading to material shortages, has led to enormous problems in virtually every supply chain that exists in our world. In these circumstances our members have worked tirelessly to keep the show on the road and thanks to their cooperative approach and the wealth of experience and expertise within the BASA community, we appear to be making progress in all areas, albeit slowly.

The corona virus pandemic had a huge impact on businesses everywhere. Within BASA we quickly responded making the necessary changes to our internal working practices, switching to virtual meetings etc. and supported those members in their efforts to maintain production and supply into the essential supply chains, for example foodstuffs and medical. We assisted members in developing their systems and processes to be Covid secure sharing best practices and keeping them updated with Government advice.

As the pandemic begins to ease, within the UK at least, we have been sharing best practice procedures in returning to more normal working conditions.

The challenges presented by Brexit have been many fold. The initial border issues and compliance with the Trade and Cooperation agreement led to multiple issues with the new requirements for tariff codes and rules of origin. BASA was able to assist the membership generally through contacts with government and providing guidelines and explanatory documents.

The longer-term issues created by the new chemical regulation scene, where maintaining continuation of compliance with EU legislation combined with the new compliance requirements of the new UK legislation, such as UK REACH, continue to create problems for our industry. Again, BASA continues to support members with guidance documents, seminars and discussion forums and representations to official departments to ensure our voice is heard. Finally, in this section, I must mention the challenges, and they are numerous, created by the change

to UKCA marking and the ending of the recognition of the EU CE mark, within Great Britain. The apparently simple approach of 'lifting and shifting' EU regulation into UK Law has created problems that will take many years of parliamentary time in legislation development to resolve. BASA continues to be active and vigilant in representing members concerns and issuing guidance on best practice. All this is achieved through communications via the member's area of our website, our weekly virtual clinics open to all members, the BASA Bulletin, and our regular open industry forums.

As I previously mentioned, we are very fortunate to have a wealth of experience and expertise within the technical community of BASA who are working hard to interpret the implications for our industry of the various scenarios as they develop, often in advance of their implementation, and to communicate them both to members and our government. So, finally I would like to thank them and their employers for their continuing commitment and tireless dedication.



Achieving a fast, repeatable mixing process without air bubbles

~ How to choose a mixer ~

Choosing the correct mixer with the right capabilities will often depend on the materials you need to mix — how prone are they to retain air (perhaps due to high viscosity), how much air is already trapped in them, how much air is brought into the mix from the powders you are adding, etc. Planetary centrifugal mixers typically have three types of function or capability to help you mix your liquids, pastes and powders, with complete uniformity and without air bubbles. Here Steve Yeomans, Marketing Executive at adhesives specialist Intertronics, explains how to choose a mixer.

A simple blend of low viscosity liquids may very well mix easily with no visible air bubbles. More complex mixes involving differing viscosities and/or powders will be more difficult to achieve an air-free mix without extra help. For critical applications, where even micro-bubbles are unacceptable, then mixing under vacuum may be required.

The mixing principle

The fundamental and common technology of all the THINKY range is “planetary centrifugal mixing”. This mixing action does not use blades, paddles or other invasive tools. The technique involves rotating containers around their central axis, at a 45° angle, whilst at the same time revolving them around a central point; similar to the way the earth moves around the sun, giving us both days and seasons. In the THINKY, these rotations and revolutions are very fast; ~1,000's of RPM. This generates mixing forces of about 400G, giving powerful material movement in the container. The ratio of revolution to rotation is critical to providing the optimal mixing forces. The technology results in a fast, fully homogenous mix and, unlike machines that rely on the insertion of paddles or impellers into the material, no air is introduced; in fact, the shear forces finely disperse any entrapped air, and there is a tendency for it to be removed (“squeezed out” to the surface).

Planetary mixing

Planetary mixers, including the THINKY ARM-310, offer significant productivity improvements over typical hand mixing techniques. Able to homogeneously disperse engineering compounds such as adhesives, sealants, lubricants, cosmetics, or pharmaceuticals in seconds to minutes, they provide consistent mixing results every time. Mixing takes place in removeable containers, meaning there is no mess to clean up after a mixing process, thereby saving valuable time and avoiding cross contamination.

Degassing

While the mixing revolution and rotation action will not add any air to your materials during mixing, and in fact is likely to remove them, it is possible for entrapped air to remain after a normal mixing step. Models such as the THINKY ARE-250 have an additional “defoaming” or “degassing” mode, where the ratio of revolution to rotation is altered to favour the revolution component, generating high centrifugal forces on the materials — up to 510G. The lowest density contents, air bubbles, rise to the surface of the liquid and are destroyed by shearing forces of the slower rotation. Typically, this process removes most visible bubbles — only bubbles less than several hundred microns in size are left behind, hardly visible to the human eye. After this degassing step, a further standard mixing process is often carried out to recombine the materials evenly.

Mixing under vacuum

In some circumstances, mixing under vacuum is needed to get the required air-free result. Examples include higher viscosity materials that are reluctant to give up their bubbles, or when added powders keep air trapped, or for nanoparticles, or for some critical applications where even micro-bubbles cannot be tolerated (perhaps an optical product). In these cases, the planetary mixing is done under a vacuum, in mixers which have integral vacuum pumps — the THINKY ARV-310P is a popular example. The mixing container undergoes the revolution and rotation process in a vacuum chamber. The vacuum causes bubbles to expand and move towards the surface, move from higher pressure to lower pressure, and causes air in solution to come out, improving the mixers' ability to extract them from the material. Mixing and degassing are achieved simultaneously, in a hands-free fully automated and repeatable process. There is a very high degree of deaeration, materials are left devoid of micro-bubbles, homogeneously mixed and ready for the next step in manufacture.

To suit your requirements

With their ability to quickly transform multiple parts of liquids, pastes and powders into homogenous, ready to use materials, planetary mixers form an integral part of a repeatable mixing process. Numerous sizes and configurations are available, allowing mixers to be selected with attributes which best suit a processes requirement

To help with specifying a mixer, our product specialists would be happy to discuss your application to determine which might be most suitable. For more information on THINKY Mixers call 01865 842842.

intertronics
adhesives, coatings, sealants & equipment
for your manufacturing and technology applications

Employee Spill Response

OAMPS

HAZARDOUS INDUSTRIES



There are many substances that employees will encounter which are harmful to health, and it is vitally important to ensure that even small spills are approached with appropriate caution. Any employees involved in the clean-up process must be trained to deal with the situation and equipped with suitable Personal Protective Equipment (PPE) - including Respiratory Protective Equipment (RPE) to enable them to safely deal with the spill.

If, as an Employer, you fail to ensure both of these criteria are met, you could find yourselves in breach of the Health & Safety At Work Act, as well as potentially incurring Employers Liability claims for any injuries that your employees sustain as a result.

Volumes don't have to be big to be problematic – a recent HSE prosecution dealt with a case where less than 200 litres of a chemical (which included hydrofluoric acid) spilled across a large area of a factory floor.

Four workers were involved in the clean-up that took several hours, and according to the HSE, not only did they have no spill response training, but they were also provided with inadequate PPE and RPE to undertake such a clear up.

Some of them suffered ill health following the incident, which included an asthma attack, a severe headache, nausea, sore eyes and throat. One of the workers was referred by his doctor to a specialist for treatment.

The HSE's investigation found that:

- There was significant non-compliance regarding management of substances hazardous to health.
- The company had failed to carry out a suitable and sufficient assessment and had not prepared for this emergency (but foreseeable) situation.
- The RPE (face masks) provided did not have the correct type of filter for protecting against Hydrofluoric Acid gas.
- The type of RPE provided to workers relied on a good seal against the face in order to protect workers and no face fit tests had been undertaken to ensure the masks fitted the workers' faces.
- Furthermore, workers were unshaven meaning their beards or stubble prevented an effective seal of the RPE to their faces.

The company was fined £13,000 and ordered to pay costs of £9,551, but the true cost to the business is likely to be much higher, with senior management time involved in the case, and the likelihood of increased insurance costs due to the HSE prosecution and potential Employers Liability claims arising out of the incident.

All of these negative impacts could be easily avoided, and would have cost far less than the HSE penalties.

So what can you do?

There is a process you should follow to ensure your employees are kept safe should they need to respond to a chemical spill:

- Identify any products you store or manufacture that are potentially hazardous (as per the Control of Substances Hazardous to Health or COSHH regulations) as part of your Spill Response Plan
- Provide spill response training your employees to take into account any of the products that they could encounter (including the potential accidental mixing of products due to spillages)
- Ensure the PPE and RPE you provide is suitable for any situation your employees might encounter and fits the individual

The most important (and often overlooked) elements of PPE to consider are protection for the eyes and the breathing air supply. This can be combined – for example in a full face mask – or considered separately, depending on the results of the risk assessment.

What Are the Issues Surrounding Face Fit Testing and Beards for RPE?

When it comes to RPE there are different choices of face masks depending on the tasks to be carried out and the nature of the hazardous substances to be protected against. Some types of face mask, which offer higher levels of protection, require a fitting to the face of the individual wearer. The general consensus regarding face fit testing and beards is the less hair, the better. In fact, HSE conducted a study 1 that showed just how much a beard could affect the seal quality; assessing the impact of stubble on the mask's seal quality, and measuring its affects from the wearer from being clean-shaven to having seven days of growth.

The study concluded that the effect on protection was quite specific to the mask/wearer combination. Protection could be significantly reduced where stubble was present, beginning within 24 hours from shaving, and generally worsening as facial hair grew.

What are the solutions?

The answer will largely depend on the person's reason for growing the beard. If they don't have a particular attachment to it and are prepared to wear a close-fitting mask, then they could shave this off as well as any additional facial hair that may affect the seal.

However, some people choose to grow a beard for religious reasons, whilst others could grow a beard for medical grounds, so if the beard is grown for either of these underlying factors, then alternative options will need to be found, such as loose-fitting RPE such as visors, helmets and hoods can all be used as alternatives to keep the employee safe at work.

Spill Response Planning & Training

Spill response planning and training is a specialist area, and we would urge employers to only use suitably experienced and qualified providers. OAMPS have worked with OHES for many years, and their team provides the 24/7 Emergency Spill Response on the Pen Underwriting scheme.

Chemique Adhesives provides solvent-free solutions for UK manufacturer of insulation products

For over thirty years Chemique Adhesives has been committed to building long-term relationships with its customers, successfully providing them with technical and adhesive advice that has helped them to grow and prosper. A customer that has benefited from this commitment is AIM – Acoustic and Insulation Manufacturing, a manufacturer of specialist insulation products based in West Sussex.

AIM who are part of the SIG Performance Technology Group, produce a variety of bespoke insulation products and manufacture a range of fire, thermal and acoustic insulation products primarily to the construction industry as well as to a diverse range of sectors.

"We had been looking for ways to maximise the efficiency of our manufacturing operations and increase production on our acoustic and insulation lines particularly during busier times when there was an increase in demand," explained Tim Dalton, General Manager at AIM. "It was also important that we continued to reduce the amount of solvent based adhesives we were using on site and if we could eliminate solvents and increase output then we were on to a winner."

To achieve these goals, the company approached adhesives expert and existing supplier, Chemique Adhesives and after assessing their operations, a plan of testing was put into place using less hazardous hot melt adhesives.

"Looking at their current setup, we were able to offer a high-performance alternative to a solvent-based adhesive that would allow for a better manufacturing and application process whilst eliminating the use of hazardous solvents," said Bob Lovegrove, Chemique Adhesives Business Development Manager.

Samples of the material to be bonded were tested in the laboratory by the Technical Team at Chemique Adhesives and the test results confirmed that a hot melt adhesive would be an ideal solution. The adhesive has a high initial tack, long open time and can adhere to a variety of substrates that are regularly used as part of AIM's manufacturing processes.

Bob commented "We were able to provide AIM with an alternative to a solvent based adhesive and that was a hot-melt system which would eliminate the need for additional extraction systems and provide the freedom to be able to spray hot melt anywhere in the factory. As well as this the new environmentally friendly hot melt requires only a one-way stick, unlike the existing solvent based adhesive that had to be a two-way stick, so this has resulted in a faster production time."

"The new holt melt system is working really well for us and we have already seen improved efficiency and productivity," said Tim. "The team at Chemique have always been proactive in solving problems and suggesting improvements and we can always rely on them to come up with the right solution. Not only did they carry out a full technical assessment, but they also provided the adhesive and adhesive application equipment for our specific needs."

The Chemique Adhesives 'Total Service Package' includes full engineering and technical support and provides AIM with total peace of mind as equipment is regularly serviced and after-sales support guarantees smooth implementation and operations.



EU Poison Centre Update



Caroline Raine, BASA Consultant

In January 2020, COMMISSION DELEGATED REGULATION (EU) 2020/11 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures as regards information relating to emergency health response, was published. This amendment formally delayed the first deadline for consumer mixtures by a year, bringing it in line with the deadline for professional use mixtures.

The dates became:

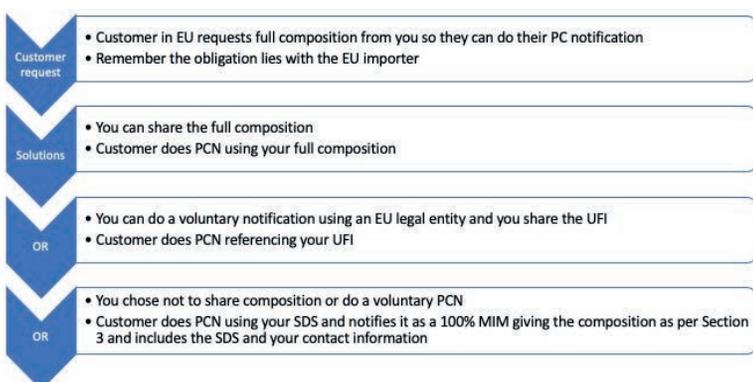
- Consumer and Professional use — 1 January 2021.
- Industrial use — 1 January 2024.

For those who have already made notifications in accordance with Article 45(1) before the dates listed above, there is an extended deadline of the 1 January 2025 by which all existing notifications must be updated to the new requirements.

The deadline of the 1st January 2021 coincided with the end of the transition period. And this is where it became difficult for BASA members. The obligation to make the notification lies with the importer, which in many cases is the BASA members European customer(s). Of course, a UK company may make a voluntary notification using an EU legal entity if they wish to reduce the burden on their customers. It was also difficult as many BASA members had chosen to do poison centre notifications under the “old” Member State rules so that they could benefit from the till 2025 transition period. The problem being if they were done using a UK legal entity these became null and void.

UK based companies – What are the options?

The options are as follows;



Of course, if you have an EU legal entity that will take on the role of importer – even better!!

Scotland, England and Wales

Poison centres will remain voluntary, as the implementation date was after the end of the transition period it was not adopted into law. If you wish to make a voluntary notification you only need to send a copy of your Safety Data Sheets to the National Poison Information Service (NPIS). You should send this information by email to sds.npis@nhs.net. The submission of a SDS to the NPIS does not in itself mean that a given product is approved for sale. There is no obligation to generate or submit a unique formula identifier (UFI) code in Great Britain, but the NPIS will register your product with its associated UFI if one has already been generated. To support the NPIS, please ensure the UFI is clearly identifiable on the front page of the SDS.

Northern Ireland

Northern Ireland will follow the Annex VIII requirements, but not through the ECHA portal. Instead, once the Annex VIII dossier has been created it should be sent to the NPIS. Because NPIS does not have access to the European Chemicals Agency (ECHA) poison centre notification (PCN), submissions for NI must be provided in the form of a PCN and sent directly to NPIS Birmingham as the appointed body.

In order for submissions to be valid, they must be either:

- produced directly in the ECHA-approved IUCLID desktop/cloud platform and exported as an .i6z dossier
- if produced using a third-party tool, the submission must then be imported into the ECHA PCN, and exported as an .i6z dossier. This exported dossier will be accepted by NPIS as a submission

These submissions should be made via email to sds.npis@nhs.net.

You must also include a UFI in the submission of information and on the label or, in some cases, the packaging of the products that contain a hazardous mixture.

More information on Northern Ireland and Poison centres can be found at this link:

www.gov.uk/guidance/submitting-chemicals-information-to-the-national-poisons-information-service

The final challenge for BASA members is the fact that not all Member States have fully implemented the Annex VIII portal and some have additional requirements not widely advertised!

Extreme Pressures on the Supply Chain

British manufacturers, importers and suppliers are facing product shortages with the associated price rises across the board. The sealants and adhesives sector and the diverse markets it serves are no exception. BASA has been taking a look at some of the factors that are exacerbating these issues and what they mean for the sector going forward.

The first issue, the obvious one, that has hit the sealants and adhesives sector is, of course, the global pandemic. Businesses across the world have been affected in myriad ways and the ripples continue throughout every sector, not least shortages and rising costs of raw materials. With plant outages, staff absences, logistics difficulties and new operations and legislative directives hitting the industry simultaneously and suddenly last spring, it is not surprising that materials shortages are still filtering through the supply chain now. As companies begin to readjust their operations to the “new normal” supply glitches and problems continue to influence all manufactures, suppliers and distributors.

Of course materials shortages have come at a time when the world economy is growing, increasing demand and pressures on the supply chain. After an estimated contraction of 3.3% in 2020, the International Monetary Fund (IMF) is predicting the global economy to grow by 6% in 2021, and 4.4% in 2022. It is fair to say that the pandemic has affected demand in strange and unpredictable ways. For example, the airline sector tanked, but there was a massive boom in domestic paint and coatings. This has not only had an effect on prices – BASA members report the cost of silicone for example to have risen by up to 25% in 2021 with more to come – but also put demand cycles out of synch. Materials that have previously been on 3-4 week lead times are now taking up to 16 weeks to arrive, if they arrive at all.

But perhaps even these disruptions might have been absorbed by industry, had all other things been equal. But what other factors have been present to aggravate supply chain stability and create the perfect storm for the sector?

- Weather: maybe the weather in Texas might not be an obvious mitigating factor in the chemicals industry but the unprecedented climate conditions in an area that is so pivotal in the global chemicals industry has had an impact on supply just as it was recovering from the pandemic. Massive power outages following the February 2021 ice storms hit over 9 million homes and businesses and took weeks - if not months - to repair. This massively impacted production of many raw materials at the heart of the global chemical industry on which the sealants and adhesives sector relies.



- Transport issues: it is no secret that transport costs globally have rocketed. BASA members tell us that the cost of a container has risen by more than 1000% since the pandemic started. Road haulage costs have also soared, fuelled by increases in diesel prices and driver shortages. Crude oil prices are up over 30% in 2021 and the Construction Products Association’s latest research indicates that HGV driver shortages are now classed as ‘severe’ or ‘very severe’ by more than 60% of logistics companies. Since transport costs – both incoming and outgoing - contribute a large percentage of manufactured costs, this has impacted prices significantly.

- Brexit: delays caused by increased paperwork and growing tariffs and duties are now filtering through the system and causing interruptions and delays in supply and increased prices. In pre-pandemic, so-called “normal” times, these issues could be absorbed by the sealants and adhesives industry. With all of the other factors at play, issues caused by Brexit have been felt more severely than they might have been.

- Labour and skills shortages: labour and skill shortages are well-documented in the news. BASA members report difficulties in recruiting staff at all skill levels as they try and meet increasing demand. This in turn is leading to wage inflation of around 6% in the sector which again feeds into price rises.

- Other disruptions: fires at major raw materials suppliers, strong local demand in China, the closure of the Suez Canal – all extraordinary events that have intensified a global economy thrown out of balance by the pandemic.

BASA members have absorbed many of these rising costs and changed their manufacturing schedules to mitigate against shortages and increased lead times but most, if not all, have been compelled to pass on some price increases. Every BASA member is working hard right now to meet demand, communicate with suppliers and customers, and to try to manage the supply chain in unparalleled circumstances.

Why UKREACH is potentially disastrous for the Adhesives & Sealants Sector

Article by: Lorna Williams, BASA Secretary General & Caroline Raine, BASA Consultant



The BASA member companies who supply adhesives & sealants in the UK have long been considered as downstream users (of chemicals) since the start of the introduction of EU REACH in 2007. This feature article discusses the changes in the status of the majority of downstream for Members that UKREACH has introduced and BASA's Consultant Caroline Raine and Executive Officer Lorna Williams will outline their concerns regarding the workability and costs of the regulation in their current form.

We will start with a bit of background information. Companies or individual workers who use chemicals are called downstream users in EU REACH and as the bulk of the UK legislation is lift and shift for UKREACH this definition is carried over. So, what is the real problem if they are the same?

The issue is that the EU as a chemicals market is huge! A lot of the chemical supplying industry (be that actual manufacturer or bulk storage facilities of petrochemicals from Asia and the US) is now based in the EU and not in the UK. The actual physical chemical manufacturing base in the UK has declined, as companies have centralised facilities to get the best capacity utilisation and costs base across Europe. This means that we now have a lot of downstream users compared to substance manufacturers and the downstream users will all become importers with the introduction of UKREACH. It is they NOT their EU manufacturing suppliers who have the obligation to comply with UK legislation.

A transitional provision has been put in place to try to minimise disruption to business by allowing existing GB downstream users and importers and manufacturers based outside of the GB to use something called a downstream user import notification (DUIN). Remember that a DUIN is not a pre-registration. The concept of pre-registrations does not exist under UK REACH. Article 127E of the statutory instrument (SI) implementing REACH in the UK provides the transitional provision for these GB-based legal entities. Also having notified under Article 127E, you don't have to register unless you wish to continue importing the notified substance after 300 days plus either 2, 4 or 6 years of the end of the transition period. The registration deadline is

dependent on the tonnage and/or hazard profile of the substance and will run until 2027. Having said all of this, the real issue is that only substances should be notified, not mixtures. If you import mixtures, you will need to consider the individual substances within those mixtures and calculate if any will be imported at or above one tonne per year. This is where life gets very difficult for BASA members as many of their raw materials are not substances but are polymers or mixtures in mixtures (or even mixtures in mixtures!) Whilst the guidance from HSE is that where information about a substance is not available then that information need not be provided, how can you then meet your obligations? In most cases the supplier of the mixture or polymer will not be prepared to divulge the composition of their products.

In BASA's latest member survey over 80% of the responses revealed real concerns about how they can comply with UKREACH and members feel that the effect of the new regulation could be permanently damaging to the UK Chemicals sector, with a significant reduction in the range of raw materials available. This will inevitably reduce the number of formulated products available to users of adhesives and sealants in the UK and could even push product manufacture outside of GB.

BASA is adding its voice to the Alliance of Chemical Industries pleas to DEFRA and the UK Government to think again about the suitability of a regulation originally designed for the whole EU marketplace being duplicated for just GB with the proportionality higher proportion of users of chemicals (and not the actual manufacturers). After all we are talking about substances that have been evaluated and registered in the EU, have data available to HSE in relation to that registration and the costs of the registration have already been proportionately met by UK suppliers and users of the chemical substances. The thought of imposing addition cost and complexity for GB users of chemical substances with no benefit is frightening and threatens to negatively impact direct foreign investment with relocation to the larger EU market.

If your EU raw material supplier indicates that they are looking after the registration and after 28th October 2021 decides not to complete the registration then, without a DUIN, a downstream user would then be required to immediately register the substance. BASA will be working hard in the next month to try to issue some more guidance and case studies to show how BASA Members can submit their DUINS to safeguard the supply of their raw material substances until the deferred registration deadline.



A safe future for polyurethane products

A diverse product

Polyurethane (PU) adhesives and sealants are versatile, innovative and safe. They are used in a wide variety of applications in construction, packaging, automotive, furniture, engineering, marine, transportation, and many more.

PU products are made by reacting **diisocyanates** and **polyols**.



A new regulation has been adopted

UKREACH is the new regulation adopted in the UK from 1st January 2021 to improve the protection of human health and the environment from risks that can be posed by chemicals. On 3 August 2020, a new restriction on **diisocyanates** EU 2020/1149 was carried into UK legislation unchanged from the original EU regulation. It targets respiratory and dermal sensitisation potentially caused by diisocyanates and requires training prior to use.

A new REACH Statutory Instrument (2021 no 904) enters into force in GB on 30th September this year which makes some changes to entry 74 on diisocyanates, mainly to make it operable in a GB-only situation.

YOUR STAFF WILL NEED TO BE TRAINED TO KNOW HOW TO APPLY PU PRODUCTS SAFELY

What does the restriction mean, how is the training developing and what is the timeline for implementation?

Your staff will need to be trained and certified by 24 August 2023 in how to handle products containing diisocyanates safely. This will apply to all professional and industrial users of products with a total monomeric diisocyanate concentration of > 0.1%. Such products will have to carry a phrase on the label from 24 February 2022 indicating the requirement of training. FEICA, in coordination with ISOPA and ALIPA, the diisocyanate manufacturers' industry associations, is preparing training material for use by its members and by adhesive or sealant users. We expect it to become available as of February 2022, early enough for all users of PU products to be trained and certified by 24 August 2023.

FEICA is planning to make online training available for easy usability. Additionally, the material will become available for individual classroom training. Holding a certification to prove attendance to the training, including a final exam, will be mandatory for all professional and industrial users applying the product. The adopted legal text requires the training to be provided by an expert in occupational Health & Safety. Employers must keep records of the training provided to their employees.

Additional requirements may be added by Member States beyond what has been defined in the REACH restriction. Further clarification is needed on how training will be implemented in each member state.



“The industry is strongly committed to the safe use of diisocyanates and safety in the workplace.”



As of 24 August 2023 adequate training is required before industrial or professional use.

Company Index

Adhesives / Sealants / Formulated Product Suppliers



2K Polymer Systems Ltd

Venture Crescent, Alfreton, Derbyshire, DE55 7RA

www.2kps.net

Phone: 01773 540440

2K Polymer Systems (part of the MiTek Industries, a Berkshire Hathaway Group company) is a leading UK manufacturer of two component products for bonding, sealing filling, maintenance, repair and anchoring applications. We specialise in private label 2 component adhesive solutions for the industrial, construction and consumer markets. Our modern manufacturing, filling and packaging facility based in Derbyshire supplies high quality products to our global customers via our international sales offices and warehousing operations in the UK and USA. A unique combination of polymer formulation experience combined with innovative packaging solutions enables 2K Polymer Systems to present a robust product range delivering world class performance, with unrivalled usability and reliability – all personalised in your own brand. We offer 2 component structural adhesives, 2 component epoxy putty sticks, 2 component chemical anchoring products, epoxy, Polyester grouts, mortars and co-formulation development /support. Two component products are already widely used within the industrial and construction markets globally, however when using our "2K 1K" range of easy to use and sustainable packaging solutions, the use of complex mixing and expensive packaging options no longer apply.



Ace Adhesives Limited

Shenstone Drive, Northgate, Aldridge, Walsall, West Midlands, WS9 8T

www.aceadhesives.co.uk

Phone: 01922 459 393

Established in 1986, Ace Adhesives is the UK's largest supplier of jelly glues and hot melt adhesives. We supply a vast range of jelly glues and adhesive products such as, PVA adhesives, book binding adhesives and many more! Now part of Demcopack Davis N.V, Europe's largest manufacturer of jelly glue, we supply and manufacturer a comprehensive range of products and services. Ace Adhesives specialise in adhesives and hot melt adhesives for all paper & board applications including: Cased & Limp Bound Books, Cardboard Cores & Tissue Paper, Corrugated Cases, Folding Cartons & Trays, Litho Laminated Cartons & Cases, Lever Arch Files & Ring Binders and Rigid Fancy Boxes.



AdCo (UK) Ltd

43-45 Passfield Business Centre, Lynchborough Road, Passfield, Liphook, Hampshire, GU30 7SB

www.adco.co.uk

Phone: 01428 751755

AdCo (UK) Limited is a specialist adhesive company supplying a range of highly technical based adhesives, allied products and application equipment to a wide variety of markets including: · Packaging · Furniture & Joinery · Printing & Bookbinding · Education · Arts & Crafts · Building & Construction · Product Assembly · Electronics. AdCo has its own range of products and also offer the full range of speciality adhesives and sealants from international manufacturers, all of which have a comprehensive range that compliment each other. AdCo are official UK distributors for the full range of adhesives from AkzoNobel of Sweden, for veneering, laminating and structural timber bonding. With these product ranges behind us AdCo are able to offer a range of adhesives and allied products that are the envy of many adhesive companies. With our knowledge of adhesives and application techniques we offer a 'find & supply' service to all, thus ensuring that any bonding problem can be solved. In 2017 AdCo acquired the manufacturing, sales and distribution rights to the full range of speciality binding and printing adhesives, including Rioflex fan-a-part padding adhesive for NCR papers, previously manufactured by Howarine Calvert Ltd. AdCo – The Professional's Choice



Adshead Ratcliffe & Co Ltd

Derby Road, Belper, Derbyshire, DE56 1WJ

www.arbo.co.uk

Phone: 01773 826661

Adshead Ratcliffe & Co Ltd (ARBO Sealants) is a major UK manufacturer whose ARBO brand sealants and adhesives are widely specified in the construction, glazing, engineering, automotive, fire protection industries and many others. With our own manufacturing, laboratories and technical services department, we are able to offer a full architectural sealant specification and technical back-up which includes our unique Arbomaster Warranty Scheme. If you require own label product manufacturing to your own formulation or to develop a product for your end application, we are here to help. Our Arbo Facades Solutions Division is able to offer facade system designers and installers a range of EPDM Membrane, VOC free adhesives and other ancillary items to meet the challenging requirements of current building regulations. Please consult our website at www.arbo.co.uk for a wider understanding of our services.



Advanced Adhesives Ltd

Architectural House, Plummer Street, Newcastle, Tyne & Wear, NE4 7AB

www.advancedadhesives.co.uk

Phone: 0191 272 2982

Advanced Adhesives, ISO 9001 & ISO 14001 accredited provider of High Quality Adhesives providing advanced thermoset formulations and chemistries focusing on distinctive innovative technologies and providing unique, patented and certified Adhesive Technologies. Combined with this high quality is our customer's reassurance in reliability in performance and longevity of our adhesives. Our Adhesives and expert technical back up bring enhanced value to our customers ensuring their success and the success of their bonded components. Supplying industry sectors of: Automotive, Marine, Electronics, Aerospace, Commercial Signage, White goods manufacturing, Construction, Power generation, Military and Engineering. Our products range includes Anaerobic, Cyanoacrylate, Hybrid MMA Structural Adhesives, Epoxies, Silicone and Polyurethane technology, U.V. Light Curing Adhesives, Hot Melts, Solvents & Water Borne, and High Performance Tapes.



Alpha Adhesives & Sealants Ltd

Llewellyn Close, Sandy Lane Industrial Estate, Stourport-on-Severn, Worcestershire, DY13 9RH

www.alpha-adhesives.co.uk

Phone: 01299 828626

Alpha Adhesives & Sealants Limited was established in 1987, with the aim of providing quality adhesives, sealants and coatings. During the ensuing years Alpha developed its business across a wide customer base to include Automotive, Marine, Construction, Aerospace, Civil Engineering, Military and general industry. The quality of Alpha products together with the 'Can Do' approach by the highly experienced management and Technical team have been key factors in the company's success in establishing successful partnerships with customers all over the world. Alpha acquired the Dunlop Industrial Adhesives Division in March 2004; origins of which date back to the early 1950s and include brand names such as Thixofix. This manufacturing site was re-located to Worcestershire and full manufacturing to original formulations was taken over by Alpha. The head office, manufacturing plant, warehouse and R & D laboratory are based centrally in a modern facility on the outskirts of Stourport-on-Severn, Worcestershire. BSI ISO 9001:2015 Accredited Alpha takes pride in carrying out collaborative research and development to meet specific customer requirements. Alpha products are backed up by experienced in house technical service department. It is through these services together with an extensive product range, that Alpha is able to meet the ever changing needs of its diverse customer base. All ALPHA products are associated with the finest in Adhesive Sealant and coatings technology. If you have an application, we have the technology!



ADHESIVES

Anglo Adhesives and Services Ltd

Anglo House, The Airfield, Dalby Road, Melton Mowbray, Leicestershire, LE13 0BL
www.angloadhesives.co.uk
Phone: 01664 480 866

Industrial Adhesive manufacturers and Suppliers of Sealants Solvents & Chemicals. Anglo Adhesives, founded in 1905, has for over 100 years supplied industrial adhesives and allied products to all industries. The company specialises in manufacturing bespoke solvent based and water based Adhesives, both own brand and under customers' own label. Anglo supplies to a wide customer base, including: Packaging, point of purchase, sign, automotive stationery, art and craft Education, construction, insulation, leather goods, self adhesive labels and many more. Anglo's wide range of adhesive and allied products, research & development capability and first-class customer service operations, are at our customers' service to ensure that Anglo will be out in front of its competitors for another 100 years. Anglo offer a comprehensive contract filling and packaging service.



More than adhesives

Apollo Chemicals Ltd

Sandy Way, Amington Industrial Estate, Tamworth, Staffordshire, B77 4DS
www.apollo.co.uk
Phone: 01827 54281

Apollo is the UK's largest privately-owned liquid adhesive, sealant, coating & primer manufacturer. We supply high-performance products worldwide across a range of industrial, construction, roofing and end-user markets. Supply is direct and via distributors, under Apollo and private-label brands. Established in 1972 in Tamworth, Apollo's vision is to become the unseen coating, adhesive and primer department of our customers' businesses. Our vision is in sync with building long-term partnerships by adding value and building trust - the ethos inspired by Apollo's founder (Robert Saunders). At Apollo, we have great people who are passionate about solving customer problems. We strive to add value across our entire supply chain, which is communicated via our brand promise 'More than adhesives'.



ARDEX UK Limited

Homefield Road, Haverhill, Suffolk, CB9 8QP
www.ardex.co.uk
Phone: 01440 714939

Premium manufacturer of high performance flooring, tiling and construction products.



Ashland Specialties UK Limited

Vale Industrial Estate, Kidderminster, Worcestershire, DY11 7QU
www.ashland.com
Phone: 01562 821 207

Ashland is a leading producer of high performance pressure sensitive adhesives and structural adhesives serving the industrial, converting, transportation, medical and construction industries. Arosset adhesives are solvent based acrylic pressure sensitive adhesives with outstanding clarity, tack peel strength and resistance to UV, oxidation and heat resistance over a wide temperature range. These adhesives are manufactured in the United Kingdom as well as the US and are typically used in applications such as labels, decals, transfer films, mounting foam tapes, vinyl graphics, medical and removable. Pliogrip adhesives are two-part polyurethane adhesives and are used for bonding thermosetting composites, including SMC, RTM, FRP, SRIM, pultrusions, carbon fibre composites and many others. They are specified wherever critical performance is required and OEM approved. In addition to transportation applications, Pliogrip adhesive technology has been specified for aerospace, infrastructure, industrial, and aftermarket repair applications. These products have been specified for bonding composite body panel assemblies, specialty components, under-the-hood and vehicle framing applications. There is a Technical Support Laboratory based in the UK, which allows a quick response to customers needs for custom designed adhesives and coater ready products by not only being able to make compounding modifications but also being able to make changes to the polymer during the manufacturing process. The on-going research at Ashland allows the development of new marketable technologies which address customer needs. Ashland's manufacturing sites are ISO registered and remain committed to safety, quality and to world-class manufacturing, customer service and technical.

BEARDOW ADAMS™

Unique Adhesives

Beardow Adams

32 Blundells Road, Bradville, Milton Keynes, Buckinghamshire, MK13 7HF
www.beardowadams.com
Phone: 01908 574000

Beardow Adams is the UK's largest manufacturer of hot melt adhesives and one of Europe's top five such companies. Its products are used worldwide for packaging, labelling, product assembly, bookbinding, woodworking, pressure sensitive coatings (for example, tapes and labels) and other coating and laminating applications. To date, the company has won five Queen's Awards – four for International Trade and, in 2002 for Innovation for its BAMFutura hot melt, a thermally stable, odour free product that is approved for direct food contact. With a manufacturing capacity of 50,000 tonnes/year, Beardow Adams has the single largest hot melt plant in Europe, its size representing an estimated 4% of world hot melt production. Significant R&D expenditure has continued to enhance Beardow Adams' reputation for innovation in hot melt technology, especially in the areas of pressure sensitives, packaging and versatile assembly adhesives for bonding dissimilar materials. A global network of subsidiaries and partners serve over 10,000 customers in over 80+ countries worldwide.



Bond it

G16 River Bank Way, Lowfield Business Park, Elland, West Yorkshire, HX5 9DN
www.bond-it.co.uk
Phone: 01422 315300

A leading UK sealant and adhesive manufacturer based in Elland, West Yorkshire. Boasting a site over 60,000 sq feet we have the capacity to produce a wide range of building and construction products, having done so successfully for over a decade. Bond Its mission statement is to pursue a process of brand development and product innovation, whilst providing exceptional quality and service at competitive prices! All products are manufactured to stringent ISO 9001 criteria and we were recently awarded ISO 14001 for environmental awareness and management. Reinvestment is key to the business and continued investment plans maximises Bond Its efficiency and productivity to offer one of the best service levels in the industry. Products: Silicones, sealants, adhesives, cement based and ready mixed tile adhesives, grouts, polyurethane foams, construction adhesives, specialist glues, sealant guns, pva, building chemicals, concentrates, levelling compounds, cleaning products, tapes, paints, household cleaners and degreasers, concrete surface cleaners, concrete surface enhancers, landscaping membranes, bitumen compounds, dpc and flashing tapes, waterproofing systems, plumbing solutions, dpms and primers, rescue repair products.



Bondloc UK Ltd

Unit 2 Bewdley Business Park, Long Bank, Bewdley, Worcestershire, DY12 2TZ
www.bondloc.co.uk
Phone: 01299 269 269

Bondloc manufacture and formulate a range of Engineering Adhesives including Cyanoacrylates, Anaerobics, Structural acrylics & Epoxy Resins, Specialising in Engineering, Automotive, Agricultural, Marine, Construction and Consumer markets. Our Solmmate Seamless Adhesive was developed for the Kitchen & Bathroom markets to provide a Seamless joint for Acrylic, Quartz and Natural Stone materials.



Bostik Ltd
Common Road, Stafford, Staffordshire, ST16 3EH
www.bostik.com/UK/
Phone: 01785 272625

With a presence in more than 50 countries, Bostik is one of the world's leading manufacturers of adhesives, sealants and building chemicals. For more than a century, the company has been developing innovative solutions that are smarter and more adaptive to the forces that shape our daily lives. Operating in three key markets: consumer, construction and industrial manufacturing, Bostik's brands are tried and tested by millions of users worldwide. Backed by first-class support, all Bostik products are designed to meet the highest standards of innovation, quality and performance. Bostik is an Arkema company.



Britannia Adhesives Ltd
Unit 30 West Horndon Industrial Estate, West Horndon, Brentwood, Essex, CM13 3XL
www.britannia-adhesives.co.uk
Phone: 01277 810480

Britannia Adhesives has been established for over 25 years, and specialises in manufacturing and supplying both water based adhesives and hot melt adhesives. Our adhesives are manufactured solely in the UK and we use a team of sales executives based throughout the country to offer unrivalled customer service. All adhesive is manufactured to the highest possible standard in accordance with BS EN ISO 9001 using the latest storage, mixing, weighing and filtration technology.



BritChem Ltd
Unit 6 Beehive Business Park, Smithies Lane, Heckmondwike, West Yorkshire, WF16 0NF
www.britchem.co.uk
Phone: 01924 412000

BritChem is a leading manufacturer of sealants, adhesives and decorating fillers, founded in 2002 with the intention of supplying a private label /toll manufacturing service to its' customers. In fact, we aim to be 'Your Brand Partner'. The Company operates from a modern 40000 sq ft factory in Wakefield, West Yorkshire and our focus is on manufacturing quality, cost effective products to meet customers specific requirements. This is achieved by a management team that has 30 years individual experience of formulation, production and marketing in the sealants and adhesives industry. The Company is accredited to BS EN ISO 9001 2015 and is also a registered manufacturer under schemes operated by Exova Warrington Fire and Underwriters Laboratories. With our wide range of products, we can provide a complete package for customers own brand offers suitable for a wide variety of market sectors. We have significantly extended our manufacturing facility with major investment in a new mixing and in-line pigmenting and filling plant for the production of a range of MS, hybrid silane modified and alkoxy silicone sealants. Our comprehensive facility, allows us to supply our products in a wide range of packages, including rigid cartridges, foil packs, tubs, buckets and 200 ltr drums. Products Fire protection Sealants - Intumescent Acoustic acrylic sealant - FR Silicone sealant - Intumescent graphite sealant - Ablative coatings - Circuit Integrity cable coatings Acrylic Caulks & sealants - Acoustic sealant; Duct sealant Oil based mastics Butyl sealants Solvent free & Solvented Grab adhesives Wall Tile and Coving adhesives Traditional and Lightweight ready mixed fillers and plasters.



Building Adhesives Ltd
Longton Road, Trentham, Stoke-on-Trent, Staffordshire, ST4 8JB
www.building-adhesives.com
Phone: 01782 591100

Building Adhesives specialises in the development, manufacture and distribution of ceramic tile adhesives, grouts, silicone sealants and ancillary products for a wide range of applications. Founded in 1962 as a development centre for the British Ceramic Tile Industry, the Company is a wholly owned subsidiary of Ardex GmbH, Germany. Its main activities are based in Stoke-on-Trent in the UK. The UK activities comprise R&D facilities, administrative centre and manufacturing operations. Products are sold under the BAL and Dunlop brands. BAL is the leading authority in the UK professional tiling market and renowned for its stringent product quality and excellent technical and training services, whilst Dunlop offers a comprehensive range of tiling products for a wide spectrum of building and DIY applications.



Cartell UK Ltd
56 Causeway Road, Earlstrees Industrial Estate, Corby, Northamptonshire, NN17 4DU
www.cartell-uk.com
Phone: 015 3626 4222

Cartell UK Ltd is a part of the Cartell Group; it is one of the world's leading manufacturers of Cyanoacrylates, Anaerobics and Epoxies. With a proven history of developing unique new products for both private and own label brands for both the retail and industrial sectors. The Cartell group manufactures products for some of the leading high street and industrial adhesive brands globally. It is known for quality, design and innovation, providing significant advances in the adhesive market, most specifically in the field of cyanoacrylate adhesives. The Cartell group complies and meets all the requirements of the European R.E.A.C.H and CLP regulations and has production facilities in the UK and several in Asia in order to provide a global solution to large organisations that require excellence in service, delivery and performance globally.



Caswell Adhesives
6 Princewood Road, Earlstrees Industrial Estate, Corby, Northamptonshire, NN17 4AP
www.caswell-adhesives.co.uk
Phone: 01536 464800

Established over 125 years, Caswell Adhesives have been developing and manufacturing adhesives and from the modern manufacturing and Research and Development facilities in Corby, is well placed to serve all geographies and markets. We manufacture and supply a full range of Premiermelt Hot Melt, water-based, MCPU and solvent based adhesives. Registration to the most current ISO environment and quality standards covering both manufacture and development of new products is central to our customer service offering. Our team of specialist personnel, highly qualified and experienced in the adhesives industry, constantly work to ensure that adhesive products and services offered meet all requirements in terms of quality, performance and cost. We work closely with our existing and potential customers to create state of the art adhesives which meet individual customers' requirements in application to provide operational and performance benefits for those customers in a constantly changing industrial environment. Our technical personnel work closely with our partners supporting them in trouble-shooting, understanding application and testing product and substrate. The business is capable, adaptable and flexible to form a close bond with customers seeking a partner contributing to the development of their businesses.



Chemence Ltd
13 Princewood Road, Corby, Northamptonshire, NN17 4XD
www.chemence.com
Phone: 01536 402600

Chemence is a leading global manufacturer of high performance adhesives and sealants using the latest innovations and chemical technology. Chemence supplies cyanoacrylate, anaerobic, UV curing adhesives, RTV silicones, hot melt polyurethanes and photopolymer products globally into the retail, construction, transportation, electronics, cosmetic, medical and automotive sectors. Products include: Chemences' own high performance Krylex® range of adhesives and sealants developed specifically for industry and engineering professionals; Krylex® photopolymer resins which are used to make flexographic plates, hand stamps and self-inking stamps; MitreMate® fast wood bonding adhesive kits manufactured for the construction, kitchen and furniture industries; SetFast® superglue range for consumer market; Anacure - gas mains sealant for leaking distribution joints; Annerseal anaerobic sealant for service insertion; Anaseal vacuum impregnation sealants and Kwifix® stationery adhesives designed for the consumer market. Chemence also make derma+flex® and exofin® topical tissue adhesives for wound repairs, used in accident and emergency departments and operating theatres in hospitals worldwide. Chemence also offers a full private label service, supported by a highly qualified team of sales engineers and laboratory technicians. Chemence can supply to customers' specific requirements and can manage complete projects from conception and design to a professionally-packed product.



Chemique Adhesives and Sealants Ltd
 Empire Close, Aldridge, West Midlands, WS9 8UR
www.chemiqueadhesives.com
 Phone: 01922 459321

Established in 1985, Chemique Adhesives has become a pioneer in the development of industry-leading adhesives and sealants, while also providing first class service and support to its growing customer base. The experience and dedication to the development of new and innovative products has gained Chemique Adhesives an appreciation for its ability to supply a comprehensive range of products to a variety of industries including aerospace, automotive, commercial manufacturing, composites, construction, foam, furniture, marine, transportation and more. Products offered include: solvent free polyurethanes, water based adhesives, hot melts, cyanoacrylates, solvent borne and epoxies. The company's manufacturing and service procedures comply with ISO 9001 quality standards, providing peace of mind that all of our adhesives consistently meet exact technical specifications. While the chemists work on innovative adhesives, Chemique Adhesive's engineers focus on application methods, enabling the company to offer customers a unique 'Total Service Package' of adhesives, application equipment, service and support.



Cyanotec Limited
 Bay 2 Building 62 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands, DY6 7XT
www.cyanotec.com
 Phone: 01384 294753

Cyanotec Limited is a specialist adhesive distribution company supplying a range of highly technical adhesives and allied products to a wide variety of markets. Products include Procure Cyanoacrylates, Lockfast Engineering adhesives, Bison, Mitre Mate and Private label adhesives.

Cyberbond

Cyberbond UK Ltd
 1D Palmersvale Business Park, Palmerston, Barry, Vale of Glamorgan, CF63 2XA
 Phone: 01446 735102

Cyberbond is an international industrial adhesives manufacturer that offers individual and OEM bonding solutions for various manufacturing environments including automotive, aerospace, electronics, medical, military, personal care and cosmetics. Cyberbond is ISO 9001:2000 and ISO/TS 16949:2002 Certified, and we can adhere to the demands and requirements of your manufacturing processes with our industrial adhesive solutions. Products and equipment include: Cyanoacrylate Adhesives Anaerobic Adhesives & Sealants UV Curing Adhesives & Sealants Acrylic Adhesives Epoxy Adhesives Dispensing Equipment UV Curing Equipment.



Delta Adhesives Ltd
 39-40 Claycliffe Business Park, Barugh Green, Barnsley, South Yorkshire, S75 4HH
www.delta-adhesives.co.uk
 Phone: 01226 381571

Manufacture and distribution of Engineering adhesives and sealants, custom formulation services and "own label" manufacturing.



Dow Silicones Belgium SPRL
 Parc Industriel Zone C, Seneffe, 7180, BE
www.dow.com
 Phone: 00 32 64 888000

Dow (NYSE: DOW) combines broad technological expertise, in-house production plants, focused research and development and global reach and thus relies on profitable growth to become the most innovative, customer-focused, inclusive and sustainable material science company. Dow's portfolio is comprised of the segments Performance Materials, Industrial Intermediates and Plastics and offers customers in high-growth industries such as packaging, infrastructure and consumer goods a wide range of differentiated, science-based products and solutions. Dow operates 113 production sites in 31 countries and employs around 37,000 staff worldwide. In 2018, the company generated turnover of around USD 50 billion (pro forma). References to "Dow" or "the Company" mean Dow Inc. and subsidiaries of Dow Inc. Follow us @DowNewsroom on Twitter.



ENNIS-FLINT
 The Mark of Traffic Safety®

Ennis-Flint
 5 Drumhead Road, Chorley North Industrial Park, Chorley, Lancashire, PR6 7BX
www.ennisflint.com
 Phone: 01257 225 100

Ennis-Flint is the worldwide leader in the traffic safety and road marking industry providing the most comprehensive lineup of road marking solutions on the market today. The EMEA headquarters, located in Chorley, United Kingdom, provides a range of products from traditional paints and thermoplastics to high-performance formulas and plural components for road marking and enhanced surface treatments. You can find Ennis-Flint products on roads and highways, taxiways, runways, parking bays and in all kinds of commercial, contractor, governmental, industrial, airport and architectural settings. Moreover, Ennis-Flint provides a wide range of crack sealant products intended for use on various pavement and carriageway defects. Our Fibrescreed and Prismoseal products offer high output crack sealing on major highways through the use of bitumen technology. With proven flexibility, excellent adhesion, and environmentally-friendly ingredients, this range of products is sure to extend the life span of the asphalt. Ultimately, each of our products offers cost effective answers to road safety problems while increasing safety for all road users.



EOC UK Ltd
 Tenax Road, Trafford Park, Manchester, Greater Manchester, M17 1JT
www.eocgroup.com
 Phone: 01618487701

EOC GROUP Adhesive Division has a very wide range of high-quality industrial adhesives based on synthetic and natural polymers specially developed to meet customer expectations. EOC UK Ltd are involved in the manufacture of latex based compounds for the carpet and textile industries and supply of water based adhesives to the paper and board industries.



Eva-Tec DAC
 Unit 5 Balbriggan Business Park, Balbriggan, Co. Dublin, K32 XN75, IE
www.eva-tec.ie
 Phone: 00353 18834280

Eva-Tec is a leading ISO 9001:2008 accredited producer and distributor of Industrial Adhesives, whose main markets are: packaging, woodworking, bottle labelling, graphics, flexible packaging. Eva-Tec carry out manufacturing of Taklok® & Magnetex® adhesives, R & D, and sales from our Dublin-based plant. Eva-Tec are the premium partner for Henkel, distributing hotmelt and water-based adhesives to the Irish markets.



Everbuild - A Sika Company
 Site 41 Knowsthorpe Way, Cross Green Industrial Estate, Leeds, West Yorkshire, LS9 0SW
 Phone: 0113 240 3456

See entry for Sika.



F. Ball and Co. Ltd.

F. Ball and Co. Ltd
 Churnetside Business Park, Station Road, Cheddleton, Leek, Staffordshire, ST13 7RS
www.f-ball.co.uk
 Phone: 01538 361633

Founded in 1886, F. Ball and Co. Ltd. is a market leading manufacturer of flooring adhesives and floor preparation products, supplying products for the global market. With a total commitment to research and product development, the company remains at the forefront of flooring adhesive technology. The specialist range comprises of adhesives for most types of decorative floorcoverings including carpet, vinyl/PVC, linoleum, cork, rubber and wood. Comprehensive technical support is offered in the forms of an advice line, literature and an interactive website. The company's unrivalled 'Recommended Adhesives Guide' matches adhesives to more than 6,000 brand name floorcoverings from over 200 leading international floorcovering manufacturers.



Fosroc International Limited

Drayton Manor Business Park, Coleshill Road, Tamworth, Staffordshire, B78 3XN
www.fosroc.com
Phone: 01827 262222

Fosroc is an international leader in construction chemicals supplying many projects across a broad range of sectors including commercial, industrial, residential, marine and infrastructure. The product range includes sealants, waterproofing products, grouts, repair mortars, flooring products, coatings and concrete admixtures. All Fosroc products meet international specifications and have been used on some of the largest and most prestigious projects in the UK and overseas. Our sealants utilise all major polymer technologies, including polysulphide, modified, silane, polyurethane, epoxy and hot applied materials, making them suitable for most building and civil engineering needs. Fosroc sealants range from chemical resistant to intumescent and are used in a wide variety of applications, including sewage treatment works, highways, runways, factory floors, stadia and building facades. Supported by an experienced technical helpline and first-class customer service, Fosroc is able to work with customers to provide a complete solution, whatever the project.



FSi Limited

Westminster Industrial Estate, Tamworth Road, Measham, Leicestershire, DE12 7DS
www.fsilttd.com
Phone: 01530 515130

FSi manufactures and develop a complete range of market leading compartmentation systems (Fire Rated intumescent acrylic sealant, Fire Rated silicone, Graphite sealant, Ablative coating, FR pipe collars, FR Compound, Batts etc...) suitable for applications all over the world. Alongside this we have a comprehensive range of test data backing up these innovative products. These systems are primarily used to prevent or slow down the passage of elements, such as fire, air, sound, movement and water. We pride ourselves on the high level of testing and technical expertise that has been built up through years of experience within the industry, from site hand to dealing with large Multi-National conglomerates, this either under our brand or private label. This allows us to supply product both in the UK (BS Regulation) throughout Europe (EN Regulation) and Worldwide (EN and UL Regulation). All of our main products are 3rd party certified. We also offer a complete range of systems which are CE Marked, showing that our quality can be measured. We are here to help and make sure the correct solution is specified correctly the first time to ensure budgets, timescales and required specifications are kept to. Furthermore, alongside our market leading Fire Rated products, we manufacture as well a range of technical sealant (neutral cure silicone, acrylics etc) for application in the construction industry.



Gorilla Glue Europe Ltd

26 Eaton Avenue, Matrix Park, Buckshaw Village, Chorley, Lancashire, PR7 7NA
www.gorillatough.com
Phone: 0843 507 1200

Gorilla Glue Europe is part of The Gorilla Glue Company based in Cincinnati, Ohio. Gorilla as a brand has been available in the UK and Europe for over 10 years, with Gorilla Glue® itself sold in the USA for over two decades. The glue was first discovered being used in Indonesia on teak furniture, but consumers soon found it to be incredibly versatile and demand soared. On a mission to make products that deliver impressive results, the company has since expanded its offerings to include Gorilla Tape®, Gorilla® Super Glue, Gorilla® Grab Adhesive, and other premium tapes, sealants, and adhesives. At Gorilla, we believe in high-quality products and choose to only put the Gorilla logo on products that meet rigorous development standards. In addition to great products, we strive to be a great company for our employees. The Gorilla Glue Company is family-owned and operated and prides itself on its family atmosphere and fun-but-serious products. Our employees are our number one asset, and our company is dedicated to providing a healthy work culture centered on family values.



Connecting what matters.™

H.B. Fuller (UK) Ltd

Globe Lane Industrial Estate, Outram Road, Dukinfield, Greater Manchester, SK16 4XE
www.hbfuller.com
Phone: 0161 666 0666

Since 1887, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. With fiscal 2019 net revenue of approximately \$3 billion, H.B. Fuller's commitment to innovation brings together people, products and processes that answer and solve some of the world's biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, health and beauty, transportation, aerospace, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And, our promise to our people connects them with opportunities to innovate and thrive.



Henkel Ltd - Consumer Adhesives & Construction

Wood Lane End, Hemel Hempstead, Hertfordshire, HP2 4RQ
www.henkel.com | www.henkel-adhesives.co.uk | www.henkel.co.uk
Phone: 01442 278000

Henkel Ltd Consumer Adhesives

The UK & Ireland's leading manufacturer of consumer adhesives, sealants and decorating sundry products; stationery adhesives and self-adhesive tapes. Brands such as Solvite, Pritt, UniBond, Nitromors, Sellotape, Loctite, Copydex and Gloy are all market leaders supplied to consumer and craftsman's markets. Henkel Ltd. Consumer Adhesive products are produced in a purpose built plant in Winsford, Cheshire, which, in terms of manufacturing and logistics, is one of the most sophisticated of its kind in Europe. In-depth technical resources and the advanced production, planning and distribution techniques employed have resulted in a vast range of high quality, high performance products, and a level of service achieved in partnership with our customers, which is without a doubt second to none. Quality sales and marketing operations, and some of the most memorable advertising this market sector has ever seen, support each of the company's leading brands. Henkel consumer adhesives supplies over 700 different products for both national and international markets.

Henkel Ltd - General Industry

As the largest adhesives manufacturer in the world Henkel continue to invest heavily in it brands and technologies. Innovation is a key driver of success with our customers, where we constantly set new industry standards both in product development and design, but also customer processes. Extensive technical support and advanced training programmes ensure the most effective and reliable solutions are found. Access to a huge product portfolio with proven performance ensures industry challenges and specific applications are easily met across a diverse range of markets. Brands such as Loctite have for years been associated with performance and reliability - the new General Industry division can now extend these parameters across a full value chain encompassing adhesives, sealants and surface treatment technologies.

Henkel Ltd - Packaging & Consumer Goods

As the largest adhesive manufacturer in the world, the Henkel Group continues to invest heavily in research and development activities which provide the quality products required to meet ever-changing market requirements. In addition, these activities are closely linked with the environmental aspects of the product and its end use. Significant investment in state of the art manufacturing facilities ensures consistent adhesive performance. Henkel manufactures technically advanced products to the highest quality standards and provides the service that industry demands. We pride ourselves on our speed and quality of response to customers' technical needs. With the resources associated with an international company and with strong European market connections, Henkel can meet the various requirements of the automotive, bookbinding, cigarette, construction, electronics, envelope, labelling, packaging, shoe and building, furniture and woodworking industries, as well as the general industry and non-woven sectors. Henkel aim to be a source for most, if not all of its customers' requirements and this is achieved by having access to diverse adhesive technologies, thus providing the best solutions to our customers.



Hodgson Sealants (Holdings) Ltd

Belprin Road, Beverley, East Yorkshire, HU17 0LN
www.hodgsonsealants.com
Phone: 01482 868321

Hodgson Sealants are the leading independent manufacturer of sealants in the United Kingdom. Celebrating our 50th Anniversary in 2018 we demonstrate a track record of supplying high performance products to building, transportation and consumer markets for over half a century. As a UK based manufacturer we are well placed to provide customers with the option of own label products as well as the Hodgson brand and have the ability to develop solutions tailored to our customers specific needs. Our manufacturing capabilities range from silicone and hybrid sealants/adhesives through to acrylics, butyl based sealants and even putties. We aim to be the first choice for anyone wanting to buy trusted quality products from a long established UK manufacturer.



Instarmac Group plc

Danny Morson Way, Birch Coppice Business Park, Dordon, Tamworth, Staffordshire, B78 1SE
www.instarmac.co.uk
Phone: 01827 254400

Instarmac is an established manufacturer of high quality materials for the tiling and commercial flooring industries, as well as a renowned market leader in the urban regeneration and highway maintenance sectors. Under the UltraTileFix brand name the company manufactures a wide range of tile adhesives for all types of installations, coloured grouts with matching silicones, levelling compounds and ancillary tiling products. All products are manufactured at their plant in Tamworth, Staffordshire, using state-of-the-art production facilities. Instarmac offers personal customer service, a privately owned delivery fleet, dedicated training and support teams and outstanding environmental performance combined with award-winning manufacturing excellence.



adhesives, coatings, sealants & equipment
for your manufacturing and technology applications

INTERTRONICS

Station Field Industrial Estate, KIDLINGTON, Oxfordshire, OX5 1JD
www.intertronics.co.uk
Phone: 01865 842842

INTERTRONICS supplies adhesives, coatings, sealants and equipment to customers with high technology, high performance assembly applications. Our customers are manufacturers in industries such as electronics, medical devices, plastics, optical, automotive, energy, defence and aerospace. We specialise in adhesives and adhesive systems, namely bonding, coating, sealing, encapsulating, potting, masking and gasketing products, together with the most appropriate equipment and accessories for surface preparation, mixing, application, dispensing, and curing them. The provision of insightful technical and applications guidance is a cornerstone of our business. We help you find the optimal materials and processes for the manufacture, assembly or repair of your products, safeguarding and enhancing performance and integrity and, in turn, your profitability and reputation. Ever since being established in 1979, when our main market was the printed circuit board assembly industry, we have enjoyed a reputation for customer focus, excellent service and post-sales support. We now supply over 3,000 regular customers, including multinational manufacturers, production facilities, specialist design and development businesses, universities, training organisations and government establishments.



ITAC Ltd

Bankfield Mills, Stoneclough, Radcliffe, Manchester, Greater Manchester, M26 1AS
www.itacadhesives.com
Phone: 01204 573736/7/8

Independently owned manufacturer of adhesives and coatings since 1902. Accredited and bespoke compounder of solvent based adhesive and non-adhesive coatings. Toll manufacturing facilities also available supported by fully equipped laboratory and technical staff. Services include: Solvent Based Formulating, Bespoke Compounding Service, Custom Compounding Service. Pressure Sensitive Adhesives, Heat Reactivable Adhesives, Textile Adhesive & Non Adhesive Coatings and Laminating Adhesives available



Kenyon Group Ltd

18-20 Miles Street, Oldham, Lancashire, OL1 3NU
www.gluegunsdirect.com
Phone: 0161 627 1001

Suppliers of aqueous, hot melt adhesives and application equipment for woodworking, furniture, packaging and product assembly.



Kleiberit Adhesives UK

Max Becker Drive, Unit 3 Brunel Way, Stephenson Industrial Estate, Coalville, Leicestershire, LE67 3HF
www.kleiberit.com
Phone: 01530 836699

Klebschmiede M G Becker GmbH & Co KG has been producing adhesives for a variety of industrial applications since 1948. The company manufactures approx. 55,000 tons of adhesive a year under DIN EN ISO 9001 accreditation. More than 200 products with the trade name KLEIBERIT are well introduced in the markets around the world. Our wellbalanced product range gives customers in industries such as window wrapping, woodworking, furniture production, building sector and automotive the opportunity to obtain their indispensable aids in the form of chemical ancillary products from a single source. Special importance is attached to the development of products which are at the forefront of adhesive technology including environmentally sound alternatives.



Leeson Polyurethanes Ltd

Hermes Close, Tachbrook Park, Warwick, Warwickshire, CV34 6RP
www.pultd.com
Phone: 01926 833367

Leeson Polyurethanes Ltd develop, manufacture and market solvent free PU adhesives, binders, anti-skid coatings and flexible polyurea based waterproofing membranes based upon one and two component polyurethanes for industrial applications. Formulations based upon aromatic and aliphatic polyurethanes are available. The company offers its customers the complete package of polyurethane adhesives and assistance with application equipment. Leeson Polyurethanes Ltd specialises in the development of products specifically designed to meet each customer's requirements and is the leader in its fields. Quality control is given an extremely high priority, with each product performance tested under conditions consistent with the customer's application before despatch. The company's commitment to quality has been recognised by the granting of approval to ISO 9001:2015. Through its technical dominance and economies of scale, it has been able to offer an unsurpassable package of service to its customers both in the UK and export markets. Products include: One and two component polyurethanes including insulated panel lamination, wood bonding, lightweight panel lamination, foam conversion and specialised applications. Polyurethane coatings for stone carpets, anti-skid coatings and industrial flooring, polyurethane binders for safety surfacing and sports pitches, liquid waterproofing, solvented polyurethanes for profile wrapping and textile lamination.



Mapei (UK) Ltd

Mapei House, Steel Park Road, Halesowen, West Midlands, B62 8HD
www.mapei.co.uk
Phone: 0121 508 6970

A family business with 80 years' experience, Mapei is the world's leading manufacturer of adhesives, sealants and chemical products for building. With products spanning 15 product lines, Mapei is a specialist in the production of quality products for the installation of wall and floor coverings, complete waterproofing systems, admixtures, and repair products for concrete alongside adhesives and sealants. Mapei also offers a free, expert specification service providing tailored advice for every project, recommending materials and workmanship required along with current technical assistance. Manufactured in state of the art facilities in Halesowen West



Pafra Adhesives Ltd

Bentalls, Basildon, Essex, SS14 3BU
www.pafra.com
Phone: 01268-290610

We believe in technical innovation and take pride in developing, manufacturing and supplying quality, competitively priced adhesive products for the paper converting, packaging, labels & tape markets. Our people are specialists and are committed to producing scientifically advanced, cost-effective adhesives that you can rely on. We understand that our customers want an adhesive that is consistent, clean and efficient, which is why we put technical development at the heart of all we do. By continually investing in the performance of our products, and discovering new solutions, we're able to provide our clients with robust, industry leading adhesives. We are an independent business and have been working hard to ensure our customers get the best possible level of customer service at every stage of the process for over 60 years. Whether an adhesive need can be met by a ready-made product, or the issue requires a bespoke solution, our sales and technical teams will consult, advise and recommend the best adhesive to meet the particular requirements.



Palace Chemicals Ltd

Speke Hall Industrial Estate, Speke, Liverpool, Merseyside, L24 1YA
www.palacechemicals.co.uk
Phone: 0151 4866101

Palace Chemicals Ltd is a privately owned UK based manufacturer of Building Chemicals & Adhesives and DIY products which includes a comprehensive range of tile and stone adhesives, grouts and surface "after-care" products under two distinctive brands, namely PALACE and LANGLOW whilst also offering a fully supported "private label" service for large nationwide distributors preferring to operate under their own brand. Whilst Tiling products remain the core activity for Palace Chemicals, we were originally established in 1978 as a manufacturer of a broad range of building chemicals and damp-proofing products and this expertise remains a central part of the company's product range today. The Palace building products range still includes Water-proofing systems, timber treatments, mortar admixtures, general purpose building adhesives and protective surface coatings. Palace acquired Langlow Products in 1995 which is one of the pioneering DIY brands offering a unique and extensive range of DIY solvents, Decorating sundries, wallpaper adhesives, Fillers, sealants and Paint removers all under the LANGLOW brand and designed to suit the needs of the Decorating professional or DIY enthusiast. Palace Chemicals operates to standards accredited by the BSI for the Quality assurance, Environmental Management & Health & Safety Management and remains committed to developing product formulation and manufacturing technology which ensures the range offered is provided at optimum service levels and remains at the leading edge of all applicable performance and quality standards. The PALACE range includes an extensive portfolio of Tile and Stone adhesives, grouts, sealants and surface After-Care products along with floor levellers and building chemicals. The high reputation our products and services have gained with both the professional and trade users encourages many of our larger customers & distributors to choose Palace as their private label partner. In the DIY sector we offer the LANGLOW brand range of products which is one of the UK's longest established DIY names and offers an extensive range of DIY solvents, Decorating sundries, Wood treatments, Wallpaper adhesives and Paint removers, all packaged and presented to suit the needs of the DIY & Decorating market. Recently Palace has become the UK licensed manufacturer of the Laticrete range of Adhesives; Grouts & Specialist tiling products, which have a global reputation in some of the world's most prestigious and ambitious construction projects where product performance levels are often well in excess of the more established standards and further enhances the range of advanced Technology manufactured by Palace.



Intelligent Chemistry.

Polyseam Ltd

St Andrews Road, Huddersfield, West Yorkshire, HD1 6SB
www.polyseam.com
Phone: 01484 421036

Leading the way since 1993, Polyseam specialise in manufacturing private label high performance fire protection products, adhesives, sealants, fillers and surface finishing products for many well-known global brands. Our UK and European chemists, engineers and technicians continue to lead the field in research development and manufacture; and our own market-leading brand is a direct result of their pioneering expertise. Our award of ISO 9001 standard underlines our commitment to optimum quality standards. Our award of ISO 14001 Standard highlights our efforts in minimising and managing our environmental impact in every area of our business, including procurement, storage, distribution, product development and manufacturing. We also manufacture products for our 3 own brands - Protecta, Painthouse and Graft.



Power Adhesives Ltd

Head Office, Lords Way, Basildon, Essex, SS13 1TN
www.poweradhesives.com
Phone: 01268 885801

Power Adhesives manufacture a large range of shaped and bulk hot melt adhesives and glue guns from their modern factory in Basildon. With over 46 years of experience in this field, Power Adhesives is uniquely able to offer both shaped hot melt adhesives and truly industrial, hand-held glue guns. Power's range of hot melt glue guns are marketed under the "TEC" brand. Both large and small glue guns are available that are suitable for everything from precision bonding to spray application of hot melt. TECBOND hot melt adhesives are formulated and manufactured to provide market-leading bonding performance. Each adhesive has been carefully developed to maximise adhesion and optimise glue gun performance Power Adhesives markets through a worldwide network of distributors. Constant investment in both equipment design and adhesive formulation ensures we are able to provide reliable high performance hot melt bonding solutions to many industries.



Pure-Flex Adhesives Ltd

Pott Shrigley, Macclesfield, Cheshire, SK10 5SD
www.pure-flexadhesives.co.uk
Phone: 01625 575737

Pure-Flex Packaging Adhesives Ltd is part of the MRI-Polytech group of Companies. Our product range has been specifically developed for the flexible packaging converting and graphics arts industries. The Pure-flex range of laminating adhesives includes solvent free, solvent based and water based adhesives available as one or two component systems. Our polymer development and design techniques have allowed us to supply tailor made products to meet the rapidly changing needs of the converting industry with safety, quality and the environment in mind. Production, Research & Development and Technical Service Laboratories are all based in the UK.



Sanglier Ltd

4 Sidings Road, Lowmoor Business Park, Kirkby-in-Ashfield, Nottinghamshire, NG17 7JZ
www.s514765155.initial-website.co.uk | www.tuskbond.co.uk | www.bioshieldonline.com
Phone: 07891386342

Sanglier Ltd are the UK's largest independently owned manufacturer and filler of sprayable industrial adhesives, lubricants and paints. Sanglier specialise in providing customers with private label products built on the back of a first class service. Operating across six, large industry sectors in the UK and internationally, Sanglier Ltd have built an extensive portfolio of leading-brand aerosol, canned and plastic bottled products and established two brand ranges into the marketplace.



SCIGRIP Europe

Unit 22 Bentall Business Park, Glover Road, Washington, Tyne & Wear, NE37 3JD
www.scigrip.com
Phone: 0191 419 6444

SCIGRIP Smarter Adhesives Solutions® is a leading global manufacturer and formulator of Structural and Engineering adhesive products. SCIGRIP Smarter Adhesives Solutions combines two global leaders in the adhesives industry, Weld-On and Holdtite, enabling the manufacture of world class structural and engineered adhesive products on a global scale. Many of our patented formulations are used within the automotive, marine and OEM sectors around the world. SCIGRIP has a strong research and development team based in the USA and Europe focused on addressing customers' specific application demands as well as improving customer productivity to achieve ultimate success. SCIGRIP is committed to manufacturing quality products, complying to REACH and maintains ISO 9001 2015 certification for all of its manufacturing facilities. SCIGRIP has also achieved multiple third party product certifications including Lloyds, RINA, and BRE, ROHS, WRAS, AGA specifications that ensure product performance in key applications. SCIGRIP's well established range of REACH compliant engineering, maintenance adhesive and sealant products have grown and developed with the industry sectors. The range includes industry-leading technologies in 10:1 and 1:1 methyl methacrylate (MMA). No-mix toughened acrylics. MS Polymers epoxies and epoxy sticks. Anaerobic based retainers, thread lockers, pipe sealants and gasket-makers. Cyanoacrylates (CA) and Ultra Violet (UV) cure adhesives. Solvent cements. Activators and Primers. RTV Silicones and gasket-makers in the unique 'Powercan' dispenser. SCIGRIP products are environmentally responsible, low volatile organic compound (VOC) adhesives.



Sealock Ltd

Scott Close, Walworth Industrial Estate, Andover, Hampshire, SP10 5NU
www.sealock.co.uk
Phone: 01264 358185

Sealock is a leading UK manufacturer of Hot Melt and Aqueous adhesive. As part of the Follmann group of companies we also have factories in Germany, Poland, Russia and France enabling us to guarantee security of supply. We have a full range of established performance adhesives but are widely recognised for our ability to tailor-make and fine-tune adhesives to exactly match customer requirements. Our adhesives are sold to the converting, packaging, product assembly, print, woodworking and other industrial markets throughout Europe. Sealock manufactures Hot Melt adhesives based on Ethylene / Vinyl Acetate, Polyolefin, thermoplastic rubber, specialised polymer systems - Emulsion Adhesives based on Polyvinyl Acetate, Vinyl Acetate / Ethylene, Acrylic and other synthetic emulsions - Dextrin and Starch adhesives - Natural and synthetic Latex based adhesives. The Follmann group of companies is an independent family owned company.



Sherwin-Williams

Thorncliffe Park, Chapletown, Sheffield, South Yorkshire, S35 2YP
www.geocel.co.uk
Phone: 01752 202060

Sherwin Williams supplies market leading sealant and adhesive products under the Geocel and DOWSIL™ brands and is a strategic partner of Dow Chemical. The company has over a quarter of a century of international experience in the construction and industrial sectors, providing sealants, coatings and associated chemical products. Sherwin Williams combines a wealth of innovative technical and manufacturing expertise with a strong commitment to quality and performance.



Sika Ltd

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
www.sika.co.uk
Phone: 01707 394444

Sika Limited is the UK's largest manufacturer of sealants, adhesives, fillers and building chemicals. The Sika and Everbuild range comprises of products for bonding, sealing, damping, reinforcing and protecting in the building sector, industrial manufacturing and the motor vehicle industry. Leading brand names include Sikaflex, SikaTack, Sikasil, SikaForce, Pinkgrip, Forever White, Tecnic and Stixall. Sika Limited and Everbuild Building Products Limited are part of the Sika AG group of companies.



SIROFLEX LIMITED

Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP
www.siroflex.co.uk/en-gb/
Phone: 01226 771600

Siroflex Limited was established in 1994 and is based in Barnsley, South Yorkshire. We are one of the UK's leading suppliers of silicones, sealants, adhesives and foams. We offer a wide range of products in both our own brand - SX Trade Strength as well as private label brands. These are specifically manufactured to cater for both the trade and DIY retail market sectors. Our national delivery service throughout mainland UK will meet order requirements within 72 hours from acceptance of an order. Our dedicated team are on hand to provide you with technical support and first class customer service. We are committed to offering our customers the highest quality products and services at the most competitive prices in the UK market.



Sovereign Chemicals Ltd

Park Road, Barrow-in-Furness, Cumbria, LA14 4EQ
www.sovchem.co.uk
Phone: 0161 627 1001

Sovereign products cover the full spectrum of Damp Proofing, Timber Preservation, Structural Waterproofing, Condensation Control, Flooring and Tiling, Adhesives, Sealants and general Construction sectors. The Company is respected industry-wide for its innovation, exceptional quality, reliability and effectiveness, with many of their British-made brands acknowledged as the market leaders within their sectors.



Structural Adhesives Ltd

Structural Adhesives Ltd

The Adhesive Buildings, Units 12-13a Marlow Road Industrial Estate, off Marlow Road, Leicester, LE3 2BQ
www.structuraladhesives.co.uk
Phone: 0116 2894655

Established over 30 years ago in Central England, Structural Adhesives Ltd formulates, manufactures and delivers high quality bonding solutions worldwide. Today the company continues to build on its reputation and adeptness at problem solving in the field of adhesive technology, supporting and selling its range of adhesive products to the particular industries of Aerospace, Building and Construction, Engineering and Transportation as well as working closely with Engineers, Architects and Specifiers. We give Industry leading advice concerning substrate adhesion and specialist adhesive products and application. Our product range includes epoxy adhesives, acrylic adhesives, hybrid polymer adhesives as well as specialist paints. We currently produce the only known A2-s1 d0 adhesive certified for use above 18 m that is available in the UK. We invest heavily in Research and Development, an area of our business we excel in. Our experienced Chemists formulate innovative products, always working closely in partnership with our clients. Our commitment to sustainability, the environment and always seeking better solutions drive our business values. As well as manufacturing our own recognisable products, we also toll manufacture for other companies, either in the form of 'own-label' Structural Adhesives products, or, as a total toll manufacture using our client's own formulations. We are REACH compliant as well as having ISO 9001:2015 certification from WCS.



Trade Grade Products Ltd (The Glue People)

10 Victory Close, Woolsbridge Industrial Park, Three Legged Cross, Wimborne, Dorset, BH21 6SX
www.thegluepeople.co.uk
Phone: 01202 820177

Manufacturer and distributor of industrial and commercial adhesives, sealants and adhesive tapes. Suppliers to the Caravan Manufacture and Repair Market, Joinery and Shopfitting, Vehicle Converters, Upholstery, Portable Building Manufacturers, Exhibition Companies, etc. We can offer advice on all aspects of the adhesive trade including Contact adhesives, Sprayable systems, Structural adhesives (epoxy, methacrylate, cyanoacrylic, thread-locks, etc), Sealants, Hot melt adhesives, Water based systems, Adhesive tapes, Polyurethane resins and many more.



tremco illbruck Limited

Coupland Road, Hindley Green, Wigan, Lancashire, WN2 4HT
www.tremco-illbruck.com
Phone: 01942 251400

tremco illbruck is a European manufacturer and service provider of high-performance sealing, bonding, flooring, waterproofing and passive fire protection products for the construction and manufacturing industries. We ensure that your processes become faster, smarter and more efficient. tremco illbruck is recognised as playing a lead role in the sealants and building protection markets throughout Europe, Africa and the Middle East. Our expertise is backed by many thousands of proprietary products under strong premium brands such as TREMCO, illbruck and Nullfire, which stand for innovative, reliable products and unrivalled services. Our deep expertise is focused on Window, Façade, Insulating Glass, Flooring, Waterproofing, Fire Protection and non-construction Industry segments.



Uzin UTZ UK Ltd

2 Mitchell Court, Central Park, Rugby, Warwickshire, CV230UY
www.uk.uzin.com
Phone: 01788530080

With over a 100 year experience, UZIN provides the UK's flooring professionals with ecological, innovative and high quality products and solutions. From new installations to renovation of all types of floor coverings. With smoothing compounds, adhesives and damp-proofing systems, the whole range comprises practical products and solutions for today's flooring contractors. We are committed to investments into research, product development and product safety. Our customers always come first and we are committed to providing flooring installers with the best support for their daily business. We work with customers in partnership, providing exceptional quality products and excellent technical service.



FUTURE PROOF...FUTURE READY

Vitabond Adhesives

A Division of Vita Liquid Polymers Ltd, Harling Road, Wythenshawe, Manchester, M22 4SZ
www.vita-liquid.co.uk
Phone: 0161 998 3226

Vitabond Adhesives is a division of Vita Liquid Polymers Limited, and part of The Vita Group. Our product range includes water based, solvent based, polyurethane and PVC plastisol adhesives. These are supplied to a wide range of industries including furniture, foam converting, laminating and automotive both in the UK and worldwide. Vitabond Adhesives are dedicated to innovative polymer science creating new ideas and products, constantly improving on what we already know.

Raw Material Suppliers



Azelis UK Ltd

Alexander House, Crown Gate, Runcorn, Cheshire, WA7 2UP
www.azelis.com
Phone: 01928 793000

Azelis UK Ltd is an established specialty chemical distributor, part of the Azelis group of companies. We have dedicated team of sales managers who provide specialist technical information to the Adhesives and Coatings sectors.



BASF plc

P.O. Box 4, Earl Road, Cheadle Hulme, Cheadle, Cheshire, SK8 6QG
www.basf.com/global/en
Phone: 0161 488 5223

BASF are the world's leading chemical company, combining economic success with commitment to environmental protection and social responsibility. Through science and innovation, we enable our customers in nearly every industry to meet the current and future needs of society. Our portfolio ranges from chemicals, plastics, performance products and crop protection products to oil and gas. The range of raw materials offered by BASF for Adhesives & Sealants includes aqueous polymer dispersions and adhesive additives that have been optimized to suit a variety of applications. Our products are used especially in packaging, transportation, furniture and labels. For Pressure Sensitive Adhesives, our Acronal® and acResin® products make solutions possible in challenging adhesive applications. They are used for highly demanding labels, tapes, films and other special applications. We offer Adhesive Raw Materials for Industrial Adhesives in the following fields of application: packaging adhesives - especially for peel & seal envelope closures and labelling of plastic bottles, lamination adhesives - especially for glossy film overprint lamination and film/film composites, and lamination adhesives for the interior car trim, furniture foil and the shoe industry. In addition we have some special products to improve the adhesion of packaging adhesives on difficult surfaces. Our Construction product range is equally versatile. The main applications for our range of components are Ceramic tile adhesives, Flooring adhesives, Sealants, Flexible roof coating, Water proofing membranes, Primers, Mortar modification and concrete repair systems for example concrete plasticizers. BASF use BTC to distribute their portfolio of Adhesive Raw Materials in Europe. BTC Europe is BASF's pan-European distribution organization for small and medium-sized customers. BTC offer the full range of BASF products for the Adhesives & Sealants industry and are also able to offer complimentary products, such as Rheovis® Rheology modifiers, Dispex® Dispersants, Tinuvin® light stabilisers, Irganox® anti-oxidants and the versatile Oppanol® and Glissopal® polyisobutenes (PIB).



Camida Ltd

3000 Manchester Business Park, Aviator Way, Manchester, M22 5TG
www.camida.com
Phone: 0161 226 2262

Since its establishment in 1988 CAMIDA have always been motivated and driven by customer needs and have continued to be a highly responsive, flexible company who bring a comprehensive array of sourcing and supply options to customers. Camida's Industrial Division offers a range of Chemical Intermediates and Additives to Coatings, Printings Inks, Adhesives, Sealant and Resin Manufacturers. Camida's Industrial Principals include some of the most recognisable and respective global manufacturers. Camida also offers a highly effective chemical sourcing service with over 30 years' experience in global supply with over 300 suppliers in more than 25 countries and are uniquely equipped to meet Industry's raw material needs. Vendor reduction programmes are also part of Camida's portfolio. These programmes include many additional customer benefits and can be customised to meet the specific needs of customers.



Chemox Pound Limited

Unit 1 IO Centre, Swift Valley, Rugby, Warwickshire, CV21 1TW
www.chemoxpound.com
Phone: 1858 575065

Serving UK Industry for over 84 years with key raw materials, and formed by the merger of AV Pound & Co. Ltd's distribution business and Chemox Ltd. Part of the Hobart Enterprises Group of companies which has trading and distribution activities in UK, along with South, East & West Africa and Australia. Having a wealth of specialist technical knowledge, we have an in depth understanding of customers' requirements and the products we supply. Strong partnerships forged over many years with leading international producers from around the globe ensure our customers are reliably supplied with quality assured products from locally held stocks or shipped direct where volume permits. Primary focus on materials for Adhesives, Coatings, Inks, Polymers and Process Chemical markets.



Covestro UK Ltd

Earl Road, Stanley Green Trading Estate, Cheadle Hulme, Cheshire, SK8 6PT
www.covestro.com
Phone: 0161 4857000

Covestro UK Ltd is the UK subsidiary of the multinational polymer group Covestro AG Leverkusen formally Bayer Material Science. Products include Dispercoll aqueous dispersions, Baycoll polyester polyols, Desmophen polyether polyols always used with Desmodur crosslinking agents. Desmocol is a group of high molecular hydroxyl polyurethanes developed especially for adhesives.

CRODA

Croda

Cowick Hall, Snaith, Goole, East Yorkshire, DN14 9AA
www.croda coatings and polymers.com
Phone: 01405 860551

Croda Smart Materials, formerly known as Croda Coatings & Polymers, is a global supplier of high performance bio-based building blocks, functional ingredients, speciality surfactants and polymer additives. Croda Smart Materials business provides environmentally friendly and innovative solutions based on carefully selected raw materials. Our ingredients support our customers in developing safer, lighter, miniaturised, durable, multifunctional and affordable solutions. All this whilst offering a pathway to low carbon solutions. We combine technology platforms to create market driven innovations that help our customers to meet today's needs and be prepared for the future. The combination of innovation for high tech fast changing markets, security of supply and technical applications support is why we like to work in partnership with key stakeholders in our focus markets. Some key ingredients for the adhesives industry are: Priplast™ bio-based polyester polyols for use in polyurethane adhesives, Priamine™ dimer diamines and Pripol™ dimer diols for polyamide adhesives. Our B-Tough toughening agents can be used in epoxy adhesives, Maxemul™, Brij™ and Tween™ surfactants can be applied in waterborne adhesives and our polymer additives provide anti-block and anti-dust effects.



Euram Chemicals Ltd

Euram House, 33 Station Road, Marlow, Buckinghamshire, SL7 1NW
www.euramchemicals.co.uk
Phone: 01628 472848

Euram Chemicals Ltd manufactures curing agent dispersions for specialised sealant systems, such as polysulphides. Customised products can be produced to the individual requirements of each client. Such work is carried out on a confidential basis. Euram Chemicals also carries out the distribution of a number of raw materials including benzoate plasticisers (tradename K-Flex) which are an environmentally friendlier alternative to some other plasticisers, such as DOTP and triacetin, as well as other general purpose plasticisers, rutile titanium dioxides, silanes and flow additives.



IMCD UK LTD

Times House, Throwley Way, Sutton, Surrey, SM1 4AF
www.imcdgroup.com
Phone: 020 8770 7090

IMCD UK Ltd is a leading Speciality Chemical Distribution Company and is part of the IMCD Group. IMCD UK have a strong technical focus and work in partnership with many of the market leading raw material suppliers across many different market sectors. With an ever increasing portfolio of products, IMCD UK has become one of the leading distributors for specialities to the Adhesive Industry. We have a strong product portfolio for the adhesives and sealants markets including: Aditya Birla carbon blacks; Akzo Nobel surfactants; Ashland cellulose (CMC, HEC, HPMC, etc); BASF acrylic monomers; Deosen xanthan gums; Dow biocides & laminating adhesives; DSM acrylic, polyurethanes, polyesters & various crosslinkers; Eastman tackifiers, coalescing aids & plasticisers; ICAP SIRA pressure sensitive adhesives & pigment pastes; ICL halogenated & phosphate flame retardants; Kraton TOFA; MEL zirconium crosslinkers; Ineos polybutenes & chlorinated paraffins; Kuraray polyvinyl alcohol & polyvinyl butyral; Lanxess polyurethane systems; Lomon titanium dioxide; Mondo talcs; OMG Borchers additives; Roquette starch & dextrin derivatives; Sibelco aluminium trihydrate; Vinnolit PVC powders & pastes; Wacker polymer dispersions, water repellents & fumed silica.



Kraton

Transistorstraat 16, Almere, 1322 CE, NL
www.kraton.com
Phone: 00 31 36 546 2800

At Kraton, we deliver exceptional value to our customers through compelling, innovative and sustainable solutions. We create, develop and manufacture renewable chemicals and speciality polymers to meet our customers' performance and market needs. We contribute to a sustainable future by combining superior product performance and quality, with reliability of global supply. We live our core values every day, including taking ownership for doing what is safe, honest and ethical. At Kraton, we seek solutions that are sustainable, and believe innovation is endless.



Lake Chemicals and Minerals Ltd

3 Paper Mill Drive, Redditch, Worcestershire, B98 8QJ
www.lakecm.co.uk
Phone: 01527 594630

Lake employs the finest talented professionals to discover the speciality products and processes that create technical and commercial value for our customers and suppliers. We operate as a specialist technical distributor understanding the needs of customers, uncovering solutions to problems and forging lasting relationships with suppliers. Technical and regulatory challenges inspire us to find entrepreneurial solutions. A thorough technical understanding and a hard won degree at the University of Industrial Life enable us to repeatedly create technical and commercial value. A first class logistics operation moves hundreds of containers and iso-tanks from suppliers located in The Americas, Europe and Asia into professional storage and logistics facilities ready for delivery to our customers in the United Kingdom and Ireland. A partnership with the LEL Group, a European strategic alliance with like-minded Technical Distribution Specialists, enhances our capabilities to provide additional value to our customers and suppliers.



Lawrence Industries

Lawrence House, Apollo, Lichfield Road Industrial Estate, Tamworth, Staffordshire, B79 7TA
www.li.co.uk/interests/adhesives-sealants
Phone: 01827 314151

Lawrence Industries is a long established distributor of speciality raw materials for the adhesive, sealant and construction chemical markets. Our raw materials help our customers maintain a competitive edge through performance improvements and innovation. Our comprehensive product range includes AEROSIL® fumed silica (Evonik™), AERODISP® fumed silica dispersions (Evonik™), catalysts (TIB Chemicals), AGITAN® defoamers (MÜNZING Chemie), TAFIGEL® thickeners (MÜNZING Chemie), EDAPLAN® dispersants (MÜNZING Chemie), METOLAT® substrate wetting agents (MÜNZING Chemie), kaolin fillers (BASF), Attagel® rheological clay (BASF), surface treated fillers (Quarzwerte), Chiguard UV absorbers and light stabilisers (Chitec), glass bubbles (3M), Viscocrete® superplasticizers (Sika) and epoxidized polysulphide resins (Nouryon). Whatever your objectives, our highly trained technical sales team are here to help you.



LKAB Minerals

The Mill, Tape Lane, Gurney Slade, Somerset, BA3 4TE
www.lkabminerals.com
Phone: 0800 622 6808

LKAB Minerals is an international industrial minerals group with a leading position in a number of product applications. LKAB Minerals has sales representation, offices, production units and deposits in 11 countries in Europe, Asia and the US and employs around 700 people. LKAB Minerals supply more than 30 minerals. The core products are MagnaDense, an iron ore aggregate, supplied to the construction and offshore industries, MagnaChem supplied to water treatment, Magnetite for Sponge Iron production, UltraCarb, MicaFort and MagniF for polymers and coatings. Other products offered are Limestone Fillers for use in construction and agriculture. Anhydrite binders for flowing floor screeds under the brand name Gypsol, and other Anhydrite products for Industrial and Agricultural uses.



M&CT Ltd

12 Wharton St., Sherdley Road Ind. Est., St. Helens, Merseyside, WA95AA
www.vitreous-enamel.com
Phone: 01744737274

M & C T ~ A supplier of fire retardant additives. M&CT Limited is an independent company, based in St. Helens in the UK, founded on 40 years experience in the enamel industry. We have BSI accreditation to ISO 9001 standard. We supply both the professional with fire retardants, specialist Vitreous Enamel materials and also have some products of general interest. We are a manufacturer of fire retardant glass powder for use in plastic, fillers, adhesives etc. We offer a consultancy service to the vitreous enamel and allied industry. M&CT Ltd is a company member of the society of vitreous enamellers which is part of IOM3. We support the Vitreous Enamel Association (VEA), which aims to promote the use of vitreous enamel in all its many uses. The VEA cleaner scheme tests and licences cleaning products for use on vitreous enamel. Look for the symbol. M&CT is also a member of the Guild of Enamellers.



Newport Industries Ltd

Spencer House, 23 Sheen Road, Richmond upon Thames, Surrey, TW9 1BN
www.newport-industries.com | www.rosins.eu
Phone: 020 8332 2519

Newport Industries Limited is a niche distributor of chemicals for the Coatings and Adhesives industry. The group distributes chemicals globally, with warehouses in several countries, and strategic sourcing offices in Turkey, China and India. Newport is ISO9001 certified, so operates to high standards of service, traceability and responsible care. Newport offers a wide range of high quality: Resins, Polymers and Additives to Hot-melt, Solvent-based and Water-based Adhesive and Sealant manufacturers. Expert logistic & supply chain management team; ensuring reliable deliveries on time. Qualified, in-house chemists; providing rapid technical response. Sourcing through our strategic offices; allowing our customers to gain a competitive edge on raw material costs. Quality Control management at country of source; a simple solution to purchasing from China and India.



Omya UK Ltd

Melton Office, Melton Bottom Road, Melton, North Ferriby, East Yorkshire, HU14 3HU
www.omya.com
Phone: 01482 636900

Suppliers of raw materials to adhesive and sealant manufacturers. Raw materials include: Fillers, Calcium carbonate, Additives, Pigments, Resins, Thickeners.



TAKING FRICTION OUT OF BUSINESS

Optimum Oils Ltd

The West Wing, Acorn House Shab Hill, Birdlip, Gloucestershire, GL4 8JX
www.optimumoils.com
Phone: 01242 253333

Optimum are the sole UK partner for distributing a range of speciality products from the Spanish energy giant Repsol. Repsol's product quality in this market is unsurpassed and brings with it some of the best laboratory support and knowledge in the world, when this is added to Optimum's local presence and market knowledge it makes sense to work alongside us in this market. We offer the full range of Repsol speciality products with particular emphasis on; Aromatic Extracts Responding to the trends towards protecting health and the environment, Repsol has developed a range of aromatic oils with low toxicity that do not require labelling and correspond to the acronyms TDAE (treated distillates aromatic extract), MES (medium extract solvent) and RAE (residual aromatic extract), thereby addressing the need for new products that are greatly demanded in the tyre market. Under the TDAE type oils, there are two specialized products available: Extensoil 1721 and 1996. The main difference between them is their viscosity level. These products are obtained through a conventional process that lowers toxicity, and they are especially suited for formulating pneumatic parts that require a high glass transition temperature, guaranteeing high braking performance. Another type of oil is the Extensoil 1471 MES. This is an aromatic oil low in PA's called MES that provides great plasticising qualities. Due to its aromaticity, it is especially suited for formulating pneumatic parts that require a high glass transition temperature, guaranteeing high braking performance. Its plasticising nature means it can improve the processing in the extrusion process. Waxes Waxes can be used in products intended for direct contact with food, as raw material for hot melt, glues, etc. Polyethylene waxes Refined paraffins Semi-refined paraffins Wax Emulsions These can be used where a wax film is required and are particularly effective in the packaging industry Cable Compounds We supply a broad range of compounds made from mineral and synthetic raw materials of different kinds as filler and protection for telecommunication, electrical, and traction cables.



Rakem Ltd

Wellington Street, Bury, Lancashire, BL8 2BD
www.rakem.co.uk
Phone: 0161 762 0044

Rakem has a unique and comprehensive range of white pigments and fillers along with Polymer Emulsions for the adhesive and sealant market. We complement that range with Kaolin, Calcium Carbonate and ATH from European manufacturers. We also supply a range of polymer emulsions that can be tailor made to customer requirements. With access to 7 research and development centres based in Western Europe, Rakem offers unrivalled support in meeting customers need for innovation and improved optimisations. Hombitan & TiO2, Opal Clays, Barytes, Granifort Carbonate, Calcipore Carbonate, Micral Carbonate, Microcarb Carbonate, Cretafine Chalk, Calprec Precipitated Carbonate and Polymer Emulsions.



Ravago Chemicals UK Ltd

Unit 1 Fordham House, Newmarket Road, Fordham, Ely, Cambridgeshire, CB7 5LL
www.uk.ravagochemicals.com
Phone: 01638 724 912

Ravago Chemicals UK (formerly Innovia Solutions) are a speciality chemical distributor; with a focus on the adhesive and construction chemical industry. The official partnerships we have built with leading companies - Celanese, Perstorp, Ingevity, Vencorex, Nouryon, Synthomer, Altopol, Hauthaway, FP Pigments - supports our strong technical pedigree. Our Ravasol brand of raw materials embraces a global network of supply partners and an increasing portfolio. We use a UK warehouse network that has an exemplary logistics track record offering unparalleled stock levels and fast next day delivery, with 95% of orders being despatched from stock. Ravago Chemicals UK are part of the Ravago Chemicals Group. As a member of a global chemicals company, our global buying strength ensures that products are always nearby at the best value. Ravago Chemicals are a global chemical distribution company with a leading position in the EMEA and North America region. As a family company, Ravago Chemicals values the long standing relationships with our suppliers and customers.



Safic Alcan UK Ltd

812 Fountain Court, Birchwood Boulevard, Warrington, Cheshire, WA3 7QZ
www.safic-alcan.com
Phone: 01925 848110

Safic-Alcan UK Limited is a one stop sourcing and distribution specialist with an extensive range of chemicals, oils and additives used in Adhesives, Coatings, Plastics, PU, Rubber and Life Sciences. As part of the Safic-Alcan Group, Safic-Alcan UK has extensive access to export markets. The company represents some of the best-known names in the chemical industry, including, Albemarle, Cray Valley, Eastman, Evonik, Kumho, Nouryon, Sasolwax, Schill & Seilacher and SI Group. With the Acquisition of Langley Smith in 2019, our expertise, reputation and product range in the Adhesives and Sealants markets has been significantly enhanced. Langley Smith offers a broad range of ingredients for the adhesives and sealants markets amongst which the full range of DRT/Pinova products. Safic Alcan UK is also an industrial resource with its own manufacturing facility, supplying a variety of industries with a wide range of products including masterbatches, dry blends, dry liquids, etc. Safic Alcan UK provides an extensive blending and re-packing service, for single or multiple ingredients. Our comprehensive knowledge of current health and safety and environmental regulations, plus likely trends, enables our specialists to assist all our working partners with their environmental challenges. At Safic-Alcan UK, we are proud of our ability to develop partnerships that ensure our customers' requirements can be met on time - every time.



Scott Bader Company Ltd

Wollaston, Wellingborough, Northamptonshire, NN29 7RL

www.scottbader.com

Phone: 01933 663100

Adhesive technologies constitute an important part of Scott Bader's product portfolio. Texicryl patented styrene-acrylate copolymer emulsions lead the way for formulators of water resistant, ready mix, ceramic tile adhesive. Adhesives formulated using Scott Bader products are able to easily meet the highest international standards. The quality of Scott Bader's products is matched by the support that is offered to customers. The company's considerable in-house adhesive testing facilities and expertise of its application chemists is at the customers disposal. The company prides itself on a more personal approach to development projects with customers. Scott Bader Company Ltd established in 1920 by Ernest Bader, has grown into a truly international concern, with manufacturing facilities in four countries, supported by a wide network of distributors and agents. The structure enables the supply of products to the same high standard throughout the world. The company is one of the best known examples of co-ownership, where all the company's employees share in its prosperity. This structure offers the benefit to customers of a stable relationship with their supplier as Scott Bader are protected from take over, customers can also be assured that Scott Bader workforce are highly motivated and customer focussed as they all have a vested interest in the company's success.



Synthomer Deutschland GmbH

Werrastraße 10, 45768 Marl, DE

www.synthomer.com

Phone: 01279 436211

Synthomer is a world-class supplier of synthetic polymers to industries ranging from paints and adhesives to textiles, speciality papers and plastics. Synthomer is a leading global supplier of emulsion polymers, with a particularly broad product portfolio. We supply to a wide range of industries, not only adhesives and sealants, but also coatings and construction materials, textiles and carpets, paper and board. Our mission is to provide excellent customer service through a highly experienced team of sales managers and technical service chemists dedicated to delivering formulation advice and innovative end use solutions. We pride ourselves on our long-standing leadership of the UK and Ireland emulsion polymers market.



TER (UK) Ltd

Milton Hall, Ely Road, Milton, Cambridge, Cambridgeshire, CB24 6WZ

www.teruk.co.uk

Phone: 01223 828640

In July 2012 the TER GROUP further strengthened its growing pan-European network by opening TER (UK) in Cambridge. The launch has proved a great success enabling UK customers to source a wide range of raw materials. The initial focus was on offering raw materials for the Paints & Coatings, Construction, Adhesives, Textiles, Paper and Glass Fibre industries. Today TER (UK) are servicing a wide range of UK customers with both direct shipments or with materials from strategically located UK warehousing. In a second phase TER (UK) enhanced its raw material portfolio by being appointed the UK Distribution partner for a variety of product lines from both Evonik Industries and Claraint SE. TER (UK) have also implemented the activities of its Group Industry "Food & Feed" which is a core business activity of the TER GROUP. TER (UK)'s aim is to continue the TER philosophy of working closely with our customers to identify the raw materials they want - and to provide them with a range of products that meets their requirements in terms of quality, price, delivery and back-up.



Troy Biosciences UK Ltd

71 Queen Victoria Street, London, EC4V 4BE

www.troycorp.com

Phone: 07408816133

Troy Corporation develops and manufactures performance materials for industry. These materials are used and available in over 100 countries to produce high performing, cost-effective, and environmentally friendly products. Troy's special areas of expertise include: •Prevention of microbial degradation in products and processes •Specialty materials to improve performance of the customer's products and their manufacturing Troy produces over 400 products with modern manufacturing facilities in 6 countries. Troy supports our customers worldwide with Sales Offices in 15 countries, Distributors or Agents, Laboratories, Technical Staff and warehouse stocks. Troy's goal is to provide the customers a superior level of service and product availability.



Wacker Chemicals Ltd

Venture House, Arlington Square, Downshire Way, Bracknell, Berkshire, RG12 1WA

www.wacker.com

Phone: 01344 401670

UK subsidiary of Wacker Chemie AG. Wacker Chemie AG is the largest manufacturer of silicones in Europe with all manufacturing sites accredited to ISO 9001 and ISO 14001. The ELASTOSIL® product range includes the full spectrum of silicone materials for all market sectors e.g. building and construction, rubber fabrication, consumer care, textile, paper, chemical, coatings, industrial sealing and bonding. For the Sealants industry Wacker offer raw materials as well as ready-compounded sealant in bulk, cartridges and foilpacks. In the GENIOSIL® range Wacker offer organofunctional silanes, prepolymers and "hybrid" sealants. WACKER POLYMERS is a leading producer of state-of-the-art binders and polymeric additives based on polyvinyl acetate and vinyl acetate copolymers. They are used in construction chemicals, paints, surface coatings, adhesives and nonwovens, and in fiber composites and polymeric materials based on renewable resources. Wacker also manufacture HDK® fumed silica - available in a range of hydrophilic and hydrophobic grades - which are used primarily for their thickening, thixotropic and reinforcing properties in the sealant, resin and surface coating industries.



Wessington Group Ltd

Blaggrave House, 17 Blaggrave Street, Reading, Berkshire, RG1 1QB

www.wessingtongroup.com

Phone: 0118 957 3300

Wessington Group Ltd is a supplier of raw materials and formulation ingredients to the sealant, adhesive, coating, rubber/plastics and resin industries. We are the European and Middle East distributor for the Toray range of THIOKOL LP liquid polysulfide polymers. We also offer manganese dioxide and sodium perborate cure pastes for use with THIOKOL LP. Sealants, adhesives and coatings based on THIOKOL LP are used throughout the world in the construction, insulated glazing, marine, automotive and aircraft industries. Other relevant product offerings include DOTP (DEHT), DINP, DICY, metallic stearates and calcium oxide. We are a knowledgeable and flexible company, providing a tailored approach and service to customers and suppliers. We aim to offer comprehensive technical understanding of our key products, with logistical support from stocks strategically located in the UK, NL and UAE. Wessington Group Ltd is an ISO 9001 registered company and participates in the Chemical Business Association 'Responsible Care' programme. We are an active member of Trade Associations including BASA, BPF and the CBA.



WhitChem Limited

23 Albert Street, Newcastle-under-Lyme, Staffordshire, ST5 1JP

www.whitchem.co.uk

Phone: 01782 711777

Distributor of polymers, minerals fillers, pigments and additives for the Adhesives industry in the UK and Ireland. Raw materials for Adhesives: Polyvinylalcohol, Polyurethane (Polyols, Isocyanates, PU resins and PU dispersions), Polychloroprene dispersions, Inorganic pigments, Rubber (NBR, SBR, SBS and SEBS), Minerals and Functional Fillers (Kaolin, Calcium Carbonate, Perlite, Mica), Moisture scavengers, Rheological additives Special additives and Colloidal Silica. Distributing on behalf of companies such as Covestro, Castor International, Dynasol, Imerys, Lanxess, Nouryon, ShinEtsu, S.E. Tylose.



4ward Testing Ltd

5 Hampers Common Industrial Estate, Petworth, West Sussex, GU28 9NR
 www.4wardtesting.co.uk
 Phone: 01798 342240

4Ward Testing is a UKAS Accredited Testing Laboratory No 0307, operating to ISO 17025:2017 Quality System. We are a Notified Test Laboratory (System 3) No: 2538 for testing to BS EN 15651 Parts 1-4 (latest edition) Sealants for non-structural joints in Buildings and Pedestrian walkways and BS EN 12004 Parts 1-2 (latest edition) Adhesives for ceramic tiles. We test to National and International Standards, including: BS, ASTM, SS, DIN, ISO, EN, MIL, IEC and other bespoke product specific methods. 4Ward Testing offers a range of testing services including destructive and non-destructive material testing, as well as environmental ageing. We specialise in testing Construction (Sealants, Adhesives, Waterproof Membranes and Rubber etc.) Automotive, Aerospace, Marine products and materials.

AGB Chemical Compliance

AGB Chemical Compliance

33 Claremont Road, Marlow, Buckinghamshire, SL7 1BH
 www.agbchemcom.com
 Phone: 07501 404 969

AGB Chemical Compliance, a consultancy owned by Tony Bingham, offers help with regulatory issues in areas such as: REACH compliance (auditing, development of compliance processes, upstream / downstream communication, bespoke in-house training) CLP Regulations (safety data sheets, labels, raw materials) Food contact regulatory issues Sustainable Development Training on regulatory issues Competent Authority engagement (e.g., representation/negotiation on your behalf with Government bodies) Review and analysis of legislation (including the preparation and submission of comments on public drafts) We combine a practical hands on approach with a deep understanding of the impact of chemical regulation on the industrial chemicals formulating industry. Tony is a chemical products safety professional with more than 25 years' regulatory experience in blue chip companies such as Unilever and ICI (working for National Starch & Chemical). Tony has excellent interpersonal and communication skills, with an extensive experience of engagement with UK regulatory competent authorities gained whilst representing his business trade associations as well as working within industry groups at CIA and CEFIC. He has a proven ability to influence the decisions of senior management in order to achieve regulatory compliance. Tony is a Council member of the Chemical Hazards Communication Society (CHCS) and represents BASA on FEICA's Sustainable Development Committee.

Caroline Raine Consultant

Caroline Raine Consultant

Arkle House, Station Road, Grove, Wantage, Oxfordshire, OX12 7PF
 Phone: 07984 162986

Consultant offering Expertise and Advise in the following areas: Supply & Transport Regulation CLP REACH (EU & UK) SDS EU Poison Centres COSHH Training DGSA Transport - Road & Rail Caroline is also BASA's Consultant for Transport of Dangerous Goods, UKREACH, Polymers of concern under REACH and EU Poisons Centres.



Chemical Inspection and Regulation Service Ltd (CIRS)

Regus Harcourt Centre, Block 4, Dublin, Ireland, D02 HW77, IE
 www.cirs-reach.com
 Phone: 00 353 1 477 3708

Chemical Inspection and Regulation Service Ltd (CIRS) is a world-renowned regulation service provider, with branches in Ireland, China, Korea, US and UK. We are a leading product safety and chemical regulatory management consulting firm. We assist our clients in gaining a competitive advantage by providing them with a tailored regulatory compliance service in EU, UK, and Asia-Pacific regions such as China, Korea, Taiwan and other areas of South East Asia. We also provide a global GHS service which adheres to the territory specific regulations required for label and SDS authoring for over 40 countries worldwide.



DH Industries Limited

Sullivan House, Fenton Way, Southfields Business Park, Laindon, Essex, SS156TD
 www.dhi.co.uk
 Phone: 01268 410666

World Class Process, Packaging & Control Engineers for the Aerosol, Coating, Sealant & Pharmaceutical Industries.



DOPAG (UK) Ltd

Ryelands Business Centre, Ryelands Lane, Elmley Lovett, Droitwich, Worcestershire, WR9 0PT
 www.dopag.com
 Phone: 01299 250 740

DOPAG (UK) Ltd is part of the Hilger & Kern Group, world renowned for high quality mixing & metering machines & systems for the application of single & plural component adhesives & sealants. The range includes high precision metering, mixing and dispensing machines for use with a hugely diverse range of single and plural component fluids, such as adhesives, resins, silicones, sealants and greases, for use in almost every conceivable industrial application. The Company is able to offer material testing and performance trials to both end users and material manufacturers in order to ensure the suitability of equipment for specific materials and tasks.



JP Consultancy

167 Exeter Street, Stafford, Staffordshire, ST17 4ED
 Phone: 07970450614

Jim Palmer has over 40 years' technical management experience in the adhesives, sealants and coating industry. He is a business professional, intellectually able and assertive, with natural man management skills, and has worked for small independent manufacturers and large multinational corporations in the course of his career. He has a broad knowledge of manufacturing operations – i.e, technical, quality, production, sales, purchasing, finance, distribution and systems, combined with experience of project management through functional and multi-disciplined teams. Jim is also conversant with the many regulatory issues facing the modern chemical manufacturing and downstream user industries.



MA Business

Hawley Mill, Hawley Road, Dartford, Kent, DA2 7TJ
 www.markallengroup.com
 Phone: 01322 221144

The Mark Allen Group is a dynamic media company which delivers high-quality content through market-leading journals, magazines, books, events, exhibitions and websites. Our brands offer unrivalled access to specialists in healthcare, education, business and consumer markets. Our success comes from a focus on editorial excellence; our in-depth knowledge of our markets' and our customers' needs; our commitment to educate, inspire and engage our audiences; and our ability to think differently to provide innovative client-focused solutions.



Nordson (UK) Ltd

Unit 14 Apex Business Centre, Boscombe Road, Dunstable, Bedfordshire, LU5 4SB
www.nordson.com
Phone: 01582 691 900

Nordson Corporation is the world's leading producer of precision dispensing equipment. Nordson systems apply adhesives, sealants and coatings to a broad range of consumer and industrial products during manufacturing operations, helping customers meet quality, productivity and environmental targets. Nordson products are used around the world in the appliance, automotive, bookbinding, construction, container, converting, electronics, food and beverage, furniture, medical, metal finishing, nonwovens, packaging, pharmaceutical and other diverse industries. The company's growth is based on a customer-driven strategy that is global in scope. Headquartered in Westlake, Ohio, Nordson markets its products through a network of direct operations in 30 countries throughout North America, Europe, Japan, Asia, Latin America and Australia. Consistent with this strategy, more than 50 percent of the company's revenues are generated outside the United States. Nordson has nearly 6000 employees worldwide and has principal manufacturing facilities in Alabama, California, Georgia, Ohio, Rhode Island, Germany, The Netherlands, and the United Kingdom.



OAMPS Hazardous Industries

Kings Court, 41-51 Kingston Road, Leatherhead, Surrey, KT22 7SL
www.oamps.co.uk
Phone: 01372 869762

Thanks to over 30 years in the business, providing advice for companies in 'high hazard' industries, we have deep knowledge and expertise of these businesses' insurance needs. Our knowledge and industry insight is fuelled by close working relationships with the leading industry organisations. We fit insurance to your business rather than trying to fit your business to an insurance product. Every business is unique. At OAMPS, we make it our business to understand yours. We always begin by taking the time to gain an insight into how your business operates and all the risks you may be exposed to. That puts us in the best position to evaluate a wide range of insurance policies from leading insurers then recommend the risk management and insurance plan that best suits you. We offer a full suite of specialist insurance and risk management products for the fuel, hazardous haulage, chemical and environmental sectors, including: • Motor • Property • Goods in Transit • Liability • Business Interruption • Personal Accident • Directors & Officers Liability • Cyber OAMPS aims to help clients minimise risk through proactive Risk Management, however should you be unfortunate to be involved in an incident we have specialist services to make sure the process is a painless as possible and your business and reputation is protected.



Wallace Hind Selection LLP

The Old Vicarage, 1 Main Road, Duston, Northampton, Northamptonshire, NN5 6JB
www.wallacehind.com
Phone: 01604 758857

Wallace Hind Selection is a retained recruitment consultancy providing leading services to major organisations and SMEs across the UK and Europe. Since our inception in 1992, we have significantly developed our recruitment services to cover a full range of job disciplines and market sectors, sourcing key talent for a diverse range of clients, from owner managed businesses through to some of the UK& Europe's most recognised FTSE 100 Brands. Our approach is structured, rigorous and comprehensive, one that consistently delivers. These approaches include traditional Headhunting, Executive Search and Talent Mapping to bespoke recruitment solutions. Partnering with you, we dedicate time and expertise to gain an in-depth understanding of your business and your specific needs before undertaking any campaign. This affiliation is a two way process giving you the opportunity to question a recruitment expert about your brief, the most appropriate way to recruit, candidate availability, remuneration and timescales. We approach every campaign with the same values. • 72% of our business is repeat or recommended. • 87% of our business is retained. • Where we are retained, we fill 19 out of every 20 jobs. What we do really does make a difference. Due to the service levels we provide and the success rate of our process, many of our candidates become our clients. We are proud of our business and what we do.



Williams Consultancy Professionals

24 Laurel Close, Mepal, Ely, Cambridgeshire, CB6 2BN
www.willconpro.com
Phone: 01353 440299

Based in Mepal, Cambridgeshire, Williams Consultancy Professionals (WCP) are a family company partnership run by Lorna, James and Rebecca Williams. WCP are contracted to provide the British Adhesives & Sealants Association (BASA) Secretarial Services and James Williams offers bespoke engineering designs/moulds/test pieces for the adhesives and sealants industry. Lorna also offers Consultancy services based on her 25 years' experience in the industry and her previous and current involvement in CEN and ISO sealants and adhesives committees.

Visit BASA's Website: www.basa.uk.com



Welcome To BASA

<p>Become a Member Company</p> <p>BASA delivers a broad range of benefits exclusively for members including regular opportunities to network and meet with members with more than 800 managers and staff of member companies attending our events every year. As a member, you will receive guidance and regular reports on a wide range of technical and business issues. Industry training and seminars and industry representation to Government.</p> <p>Join BASA</p>	<p>Login</p> <p>Access to the BASA External is available to all employees of BASA Member companies anywhere in the world. Log in to your account to be able to actively participate in the technical work of our association. This is an opportunity for you to shape the opinion of the association and input into the work of BASA's working parties and committees, and also to get access to the members only areas of the BASA website.</p> <p>Login</p>	<p>BASA Directory</p> <p>The BASA Directory is a list of BASA members services with information regarding how to contact the member. The directory is to help you locate companies that provide products or services that match your requirements. Please note, information within the directory is based on data provided by our members, and therefore, we can take no responsibility for product specific recommendations.</p> <p>View directory</p>
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Further Information

<p>How to guides</p> <ul style="list-style-type: none"> BASA Guide to TUV's, abbreviations and terms How to export goods from GB into the EU from January 2021 How to avoid Phishing Attacks Joining Microsoft Teams meetings as a guest How to download your electronic Membership Certificate How to amend your company directory entry on the BASA website How to amend your company details/profile on the BASA website How to subscribe to the BASA website if you work for a BASA Member Company How to receive automatic BASA email website notifications CE Marking of Sealants <p>More information</p>	<p>Education, Careers & Apprenticeships</p> <ul style="list-style-type: none"> Employer incentives for hiring new apprentices applications go live National Apprenticeship Awards 2020 - open for entries Volunteer as a Tutor with The Access Project 1 hour a week online to support disadvantaged young people FECA launches overview of adhesion & bonding courses in Europe Two significant announcements for the apprenticeship and skills sector Apprenticeships Response to Covid-19 The Apprenticeship Intermediary Service Workplace Training and Development Commission - equal award Support for employers on education and skills <p>More information</p>	<p>BASA publications</p> <ul style="list-style-type: none"> BASA Bulletin Issue 83 July 2021 ONLINE BASA Bulletin Issue 82 May 2021 ONLINE BASA Membership Flyer BASA Bulletin Issue 81 February 2021 ONLINE BASA Bulletin Issue 80 December 2020 BASA Guidance - template for a UK REACH Compliance Statement BASA Bulletin Issue 89 November 2020 ONLINE BASA Bulletin Issue 88 September 2020 ONLINE BASA Bulletin Issue 87 July 2020 ONLINE BASA Bulletin Issue 85 April 2020 <p>More information</p>
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BASA is the trade association for the adhesives and sealants industry in the UK and Ireland.

The 100 member companies span the full range of activities from manufacturing, through to distribution, including suppliers to the industry and machinery manufacturers.

Polyseam showcase The Protecta Eco-Foil



Polyseam are pleased to showcase a new and innovative sealant product system we created for one of our own brands, The Protecta Eco-Foil, which is designed to reduce environmental impact and waste on construction sites.

The system works by inserting a 300ml sealant foil into the reusable Eco-Cartridge, which fits into a standard skeleton gun. The cartridge has a double-ended plunger, so once the sealant foil is empty, remove the cap and nozzle and re-fill the opposite end with a new 300ml sealant foil. Simply replace the cap and nozzle at the opposite end, insert into the dedicated gun and the system is ready for use!

Each Eco-Cartridge can be reused a minimum of 60 times, fits into a standard skeleton gun and Eco-Foil sealants last on average 6 months longer than the same product in a cartridge. The products available in the Protecta Eco-Foil range include FR Acrylic, FR Graphite and FR IPT.

www.polyseam.com

Polyseam®

Intelligent Chemistry.



BPP UNIVERSITY Management students seeking placement opportunities

Who are BPP University?

We are a global leader in education solely dedicated to business and the professions, along with ranking #1 for the number of UK Postgraduate Students who went into "Employment and are in Highly Skilled Occupations". Combining innovative study content with real-world experience and insight from expert tutors, we provide industry knowledge and teach the practical skills that will help our students excel in the workplace.

What makes BPP University different from our competitors?

- Our programmes are designed in partnership with employers and respected professional body associations, so we can be confident that our students receive the best professional education which will prepare them for their future careers.
- Students are taught by experienced practitioners, many of which have previously worked in Fortune 500 organisations.
- BPP University is part of BPP Professional Education Group, which trains numerous professionals within FTSE 100 companies. This allows us to nurture relationships with the professional world to ensure our programmes are relevant to today's business needs.

We work with several organisations seeking professional development opportunities for our students, so they can gain practical experience to complement their academic studies and enhance their overall employability skills.

Many of our students have expressed strong interest in the Construction and Engineering sector so we are keen to raise the profile of our professional development partnership opportunities to gauge whether you feel that possible partnership can be of interest to your team.

Please feel free to have a look through our brochure to learn more about BPP University and our students. This is also including further insight into the master's program the students complete and also testimonials from other employers and students.

There are several ways your members can potentially engage with our students; I have noted a few examples below:

Types of opportunities:

- Paid or unpaid, full or part-time graduate level opportunities
- An internship or placement (including virtual placements)
- Consultancy project – for example researching potential new markets, devising social media campaigns
- Volunteering – for example contributing to community/CSR projects
- Work-shadowing a Manager or Department
- Mentoring
- General training tasks and activities that Learning and Development teams may be able to offer
- Employer led workshops and talks providing insights into industries, business practice and key skills

If you are interested to find out more, please fill in and submit the enquiry form on the BASA website under 'news' and a member of the BPP Placement team will be in touch to discuss your interest further.

Members of: FEICA • Trade Association Forum • Alliance of Chemical Associations
Society of Adhesion & Adhesives • BSI • UK Food Paper Packaging Chain • The Construction Products Association