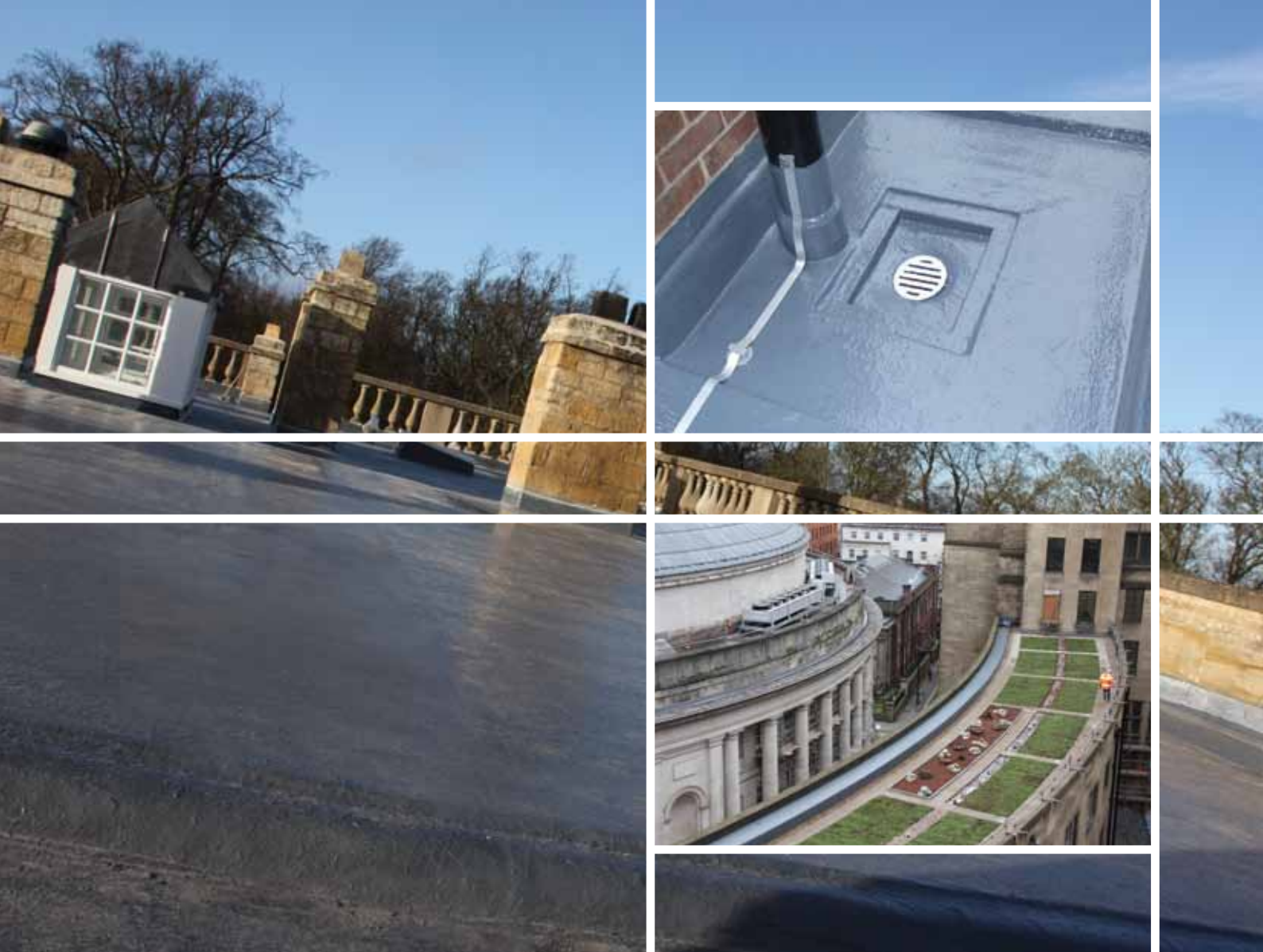


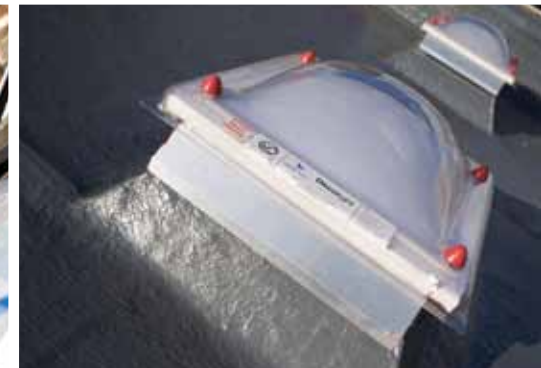


Refurbishment Solutions for Roofs and Balconies





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A Brief History



As a British based manufacturer, quality and innovation are just two of the characteristics replicated throughout Sika Liquid Plastics - visible in our products, our people, our manufacturing processes, and our research and development.

“We want our customers to know they have made the right decision working with us.

We want our team to enjoy delivering the highest level of service.”

Since 1963 we have produced an extensive range of high performance, technologically advanced coatings and membranes for the protection and waterproofing of roofs, associated walls and balconies. These products are leaders in their fields because of their unique properties and ability to outlast and outperform traditional counterparts.

We supply a complete range of cold applied built-up roof systems including warm roofs, inverted roofs, solar and green roof finishes. Each system harnesses our cold fusion technology to provide a safe application and guaranteed waterproof protection.

As a member of the Sika worldwide group of companies the demand for our products stretches across the globe, and our systems

have been installed on many successful projects in the UK, Europe, Middle East, USA and Asia.

We are leading the way with innovative products for the future, as the construction industry evolves towards safer applications and protection systems with design lives as long as the building itself.



The Sika Liquid Plastics Team



Roofing is at the core of our business, and we believe that we cannot be experts in roofing without harnessing the knowledge of people who work at the 'coal face'. That's why our Applications Department is made up of people from a variety of different roofing backgrounds, including many who have previously worked as roofing contractors.

This gives us a greater understanding of what our customers need, as well as an in-depth comprehension of the problems faced on site.



8/9

“The people are what really makes Sika Liquid Plastics work and we are proud to have a group that demonstrates such dedication and expertise on a daily basis..”

Expertise is apparent throughout our organisation, from our highly trained marketing and technical teams, to the skilled chemists who work in our Research and Development Lab. We also support on-going people development and actively encourage all of our staff to pursue relevant qualifications and on-the-job experience. As part of our commitment to investing in people we ensure every member of our sales team achieves the Licentiate qualification with the Institute of Roofing – something which is unique within our industry.

Our mission is to ensure our team enjoys delivering the highest level of customer service. We achieve this by working together across departments, developing cross-functional project teams, and most importantly making sure the customer always comes first.

Our Research and Development team is made up of a dedicated group of highly qualified scientists all experienced in the development of products and materials for the construction industry. Housed within a recently redeveloped R&D laboratory, the department undertakes wide ranging and challenging work, primarily in the field of polyurethane and allied chemistries.

As a UK based company we operate from our offices in Preston, Lancashire, where we have a six acre site – home to extensive manufacturing and warehousing facilities.

Since we first moved to the site in 1965 we have made significant investments in both plant and premises and the current manufacturing resource is extremely capable of matching our growth expectations.

Our dedicated, enthusiastic, and highly trained manufacturing team is very experienced in producing products of the highest quality and to designated specifications. The vast majority of our factory operatives are NVQ qualified in Business Improvement Techniques, and through a recognised and structured approach our lean manufacturing programme ensures we are able to drive through continuous improvement initiatives throughout the manufacturing process.

Decothane® Refurbishment Solutions



10/11

“With over 40 years experience in the roofing industry we have developed a widespread understanding of the sectors we operate in.”

We are able to service projects of all types, size, and level of complexity across the public and private sectors including education, health, prisons, offices, residential and retail.

We are proud to have worked with organisations such as:

- Yorkshire Police
- Wrekin Housing Trust
- Birmingham Housing
- Aberdeen City Council
- Warwickshire County Council
- London Borough of Redbridge
- CityWest Homes
- University of Manchester
- Debenhams
- Barratt Homes
- Aventis Pharmaceuticals
- DTZ
- Land Securities Trillium
- University of Central Lancashire
- Kensington Olympia
- Nuffield Hospitals

We have over 40 years experience in the refurbishment sector, working for clients both large and small in the public and private sectors.

Guarantees



Our roof waterproofing membranes provide long lasting, elastomeric, weatherproof protection guaranteed for 10, 15, 20 or 25 years, as well as many performance advantages over alternative systems.



12/13

“Our waterproofing systems offer unrivalled life cycle cost savings.”

Sika Liquid Plastics has developed clear and simple guarantee options that the client/specifier can choose from to suit their project needs. The two options are:

Option 1: The Sika Liquid Plastics Product Guarantee

The Sika Liquid Plastics guarantee offers a single point of responsibility, and ensures that the client is protected against the failure of watertightness caused by incorrect design, defective materials or poor workmanship, through the issue of our **Product/Extended Product Guarantee and Final Inspection Certificate (FIC)**. We believe this guarantee is the most comprehensive available in the roofing industry.

When specifying Sika Liquid Plastics products we would always recommend the use of our Quality Assured Contractor Programme, which is made up of contractors based throughout the UK. The Sika Liquid Plastics Product Guarantee is only available for projects completed using a QA Contractor. The programme offers clients guaranteed quality and assurance because all QA contractors have received full training from us in all application techniques.

The guarantee can provide coverage for 10, 15, 20 and 25 years depending on the specification and is signed by Sika Ltd, Sika Liquid Plastics QA Contractor, the main contractor (where relevant), and the client.

The **Sika Liquid Plastics Product/Extended Product Guarantee** covers the entire roofing system from the deck upwards. This quite simply means that if the roof water tightness is accepted as having failed, as a result of any faulty component invoiced by Sika Liquid Plastics or an approved Branded Product, or inadequate specification by Sika Liquid Plastics, we will take responsibility for the appropriate remedial actions.

Our in-house Technical Services Department provide specifications that are covered by design insurance and make recommendations based on a site inspection.

Final Inspection Certificate

All projects that are to be completed by a QA Contractor and have been specified for a single point guarantee will have a dedicated Sika Liquid Plastics Field Technician who joins the project team and carries out inspections at agreed stages of the project.

On completion of the roofing system the Field Technician carries out a Final Inspection, ensuring that the work has been carried out in accordance with the specification and that it meets the necessary standards for the guarantee.

Once the Field Technician has signed off the roof, the guarantee is issued to the QA Contractor, following the contractual chain. Should there be faulty workmanship or design then a claim would be brought to Sika Liquid Plastics under the Final Inspection Certificate.

Option 2: Sika Liquid Plastics Material Guarantee

This guarantee covers the material supplied. The contractor in this situation would self certificate their own workmanship.



Consultation & Roof Survey



At Sika Liquid Plastics we understand your need to get the best solution for your individual project. With this in mind we can offer a full service package including roof consultancy, technical specification and design, and on-site technical support from pre-start through to project completion.



14/15

“Our service begins with the very first phone call and continues throughout the project to completion.”

As building standards become more regulated, contract legislation and liability clauses more stringent, and building regulations more complex, we ensure all of our roofing consultants and technical personnel are fully equipped to handle the demands of a fast paced market. All of them are required to complete the rigorous Institute of Roofing training course, which means they each have a minimum Licentiate qualification.

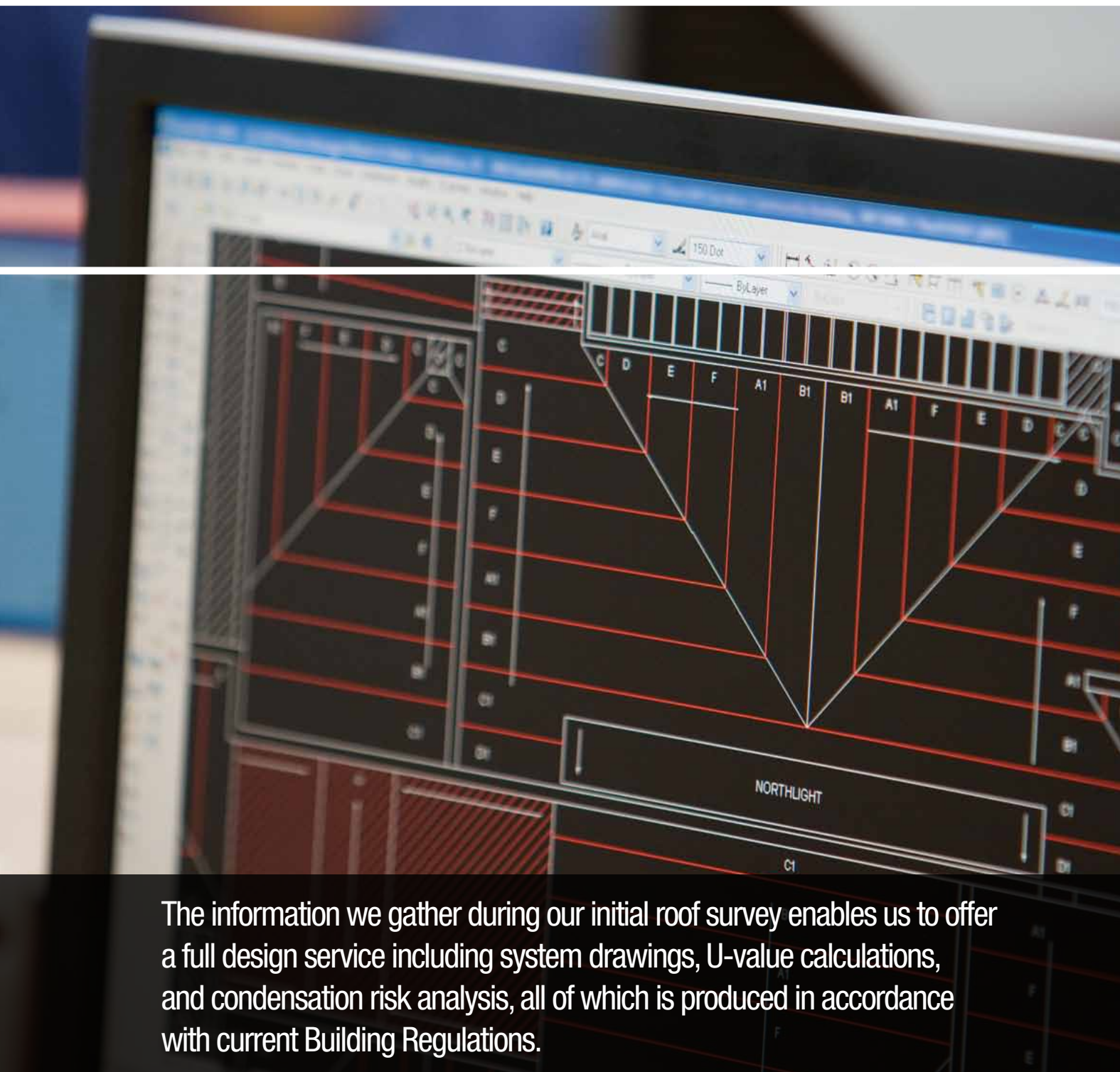
For projects requiring a Sika Liquid Plastics Product Guarantee we will always arrange an initial consultation to discuss your needs specific to the project before even stepping onto the roof – making sure that everything that is required for the project has been incorporated.

Before a project begins our fully trained roofing consultants will conduct comprehensive roof surveys to determine which system is suitable for your roof.

During the survey a core sample will be taken to assess the current roof construction and the condition of the substrate. All of our findings are thoroughly documented with photographs and used to produce a bespoke condition report.

Other elements of the pre-start survey can include moisture readings, determining the size and dimensions of the roof, and assessments of the existing falls and back falls. Feasibility studies for long term projects and thermographic readings are also available on request.

Design and Specification



The information we gather during our initial roof survey enables us to offer a full design service including system drawings, U-value calculations, and condensation risk analysis, all of which is produced in accordance with current Building Regulations.



16/17

“We understand the need to provide bespoke roofing solutions...”

A full roof survey is always carried out when a Sika Liquid Plastics Product Guarantee is required. This allows our Technical Services Department to determine whether existing details such as low lying window sills or existing door thresholds will affect any proposed insulation schemes.

The team can then use this information to produce a bespoke specification, where required.

Each specification can include:

- Project specific detail drawings
- Tapered insulation plans and roof layouts (where required)
- U-Value Calculations
- Wind Uplift Calculations
- Condensation Risk Analysis

Quality Assured Contractor Programme



When specifying Sika Liquid Plastics products we recommend the use of our Quality Assured Contractor Programme, which is made up of audited contractors based throughout the UK. The programme offers clients guaranteed quality and assurance because all QA Contractors have received full training from us in all application techniques in order to help them meet our stringent standards.



18/19

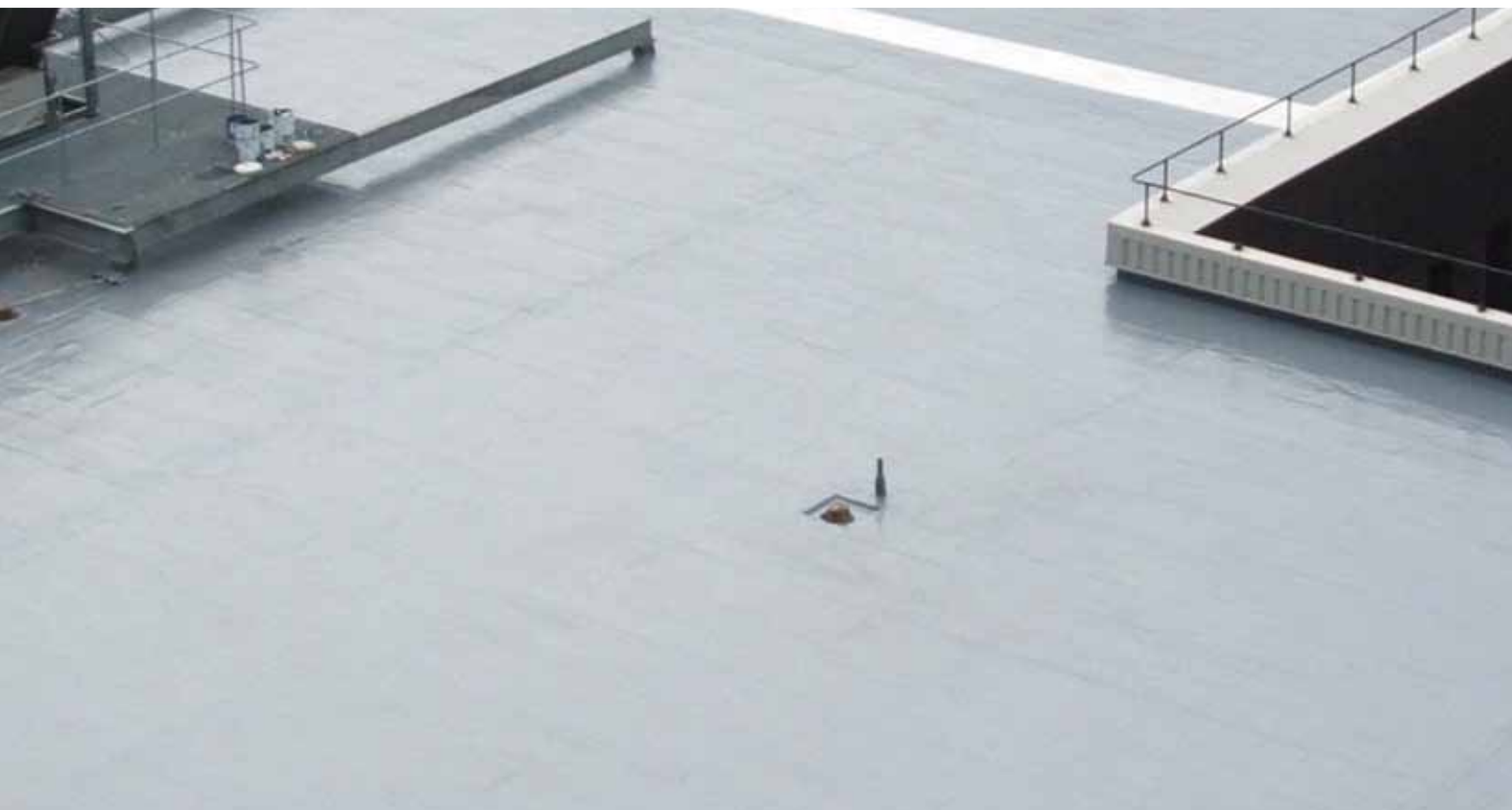
“Our QA Contractors receive comprehensive product training provided by our roof experts.”

To promote strict professionalism, our QA programme has demanding entry criteria along with a stringent code of practice. The offices of potential new members undergo a comprehensive audit inspection to ensure that the company has a sound corporate identity and follows excellent working practice.

We will always recommend a selection of QA Contractors for your project, giving you freedom of choice with a guarantee of quality workmanship.



Project Monitoring



20/21

“On-going project support is a key element of our service offer, undertaken by our nationwide team of highly skilled Field Technicians.”

We offer complete support throughout the works including:

- Attendance at pre-start meetings
- Regular comprehensive documented inspection visits
- A final inspection of the work to ensure that the highest level of workmanship has been achieved before a guarantee is issued

Our Applications Department consists of a group of highly skilled roofers who all have experience of working ‘on the tools’. This unique hands-on experience means they know the best way to overcome most problems faced by contractors on site.

Their roofing expertise allows us to offer an unrivalled service experience that includes technical advice, guidance, and support - whether on-site or in the office.

From pre-start to project completion, Sika Liquid Plastics Applications Department is on hand to ensure your project runs smoothly and to provide comprehensive site reports that support the Sika Liquid Plastics Product Guarantee.





Built-Up Roof Systems



Sika Liquid Plastics launched its built-up Roof System in 2004 which signalled a revolution in roofing systems due to its completely flame free and heat free installation. Since then the market has evolved with more clients requiring cold applied options with improved workability.

Traditional methods of application for roofing systems can require temperatures in excess of +500°C to +800°C using gas torches, bitumen boilers, and hot gas guns. Creating heat at these temperatures, along with the combustible materials usually found on roofs, is a potentially dangerous combination.

Our built-up roof system is completely cold applied, thus eliminating the need for any heat or naked flame on the roof. The full system has been tested in accordance with BS EN 13501-5 and BS 476-3 and has achieved a B_{ROOF}(t4) and EXT. F.AB respectively, allowing unrestricted use under the current building regulations. Also, as with the liquid applied waterproof membrane, the whole system is easy to install with simple application to detail areas.

The full system includes S-Vap 5000E SA, which uses self adhesive technology and can be used as a temporary waterproofing layer, helping to protect the building from water ingress during installation. And because of the system's cold application there is an increased working window with no restriction to holiday and shutdown periods.

Decotherm® is a high performance CFC/HCFC free, PIR insulation with a glass fibre facing. It is available as flat board or tapered for those roofs that require improved falls. The Decotherm® board is bonded using Decostik® SP - a cold applied mid foaming single pack adhesive.

Sika Liquid Plastics Carrier Membrane SA is a high performance product that acts as temporary waterproofing for the insulation and provides a smooth, consistent surface for the application of the Decothane® or Decaflex® liquid waterproofing system.

Cold Bonded Built-Up Roof System features:

- Cold applied, seamless technology, cold bonded, zero flame, zero heat application
- Complete system is easy to install with simple application in detail areas
- Self adhesive layers can be used as temporary waterproofing
- Decotherm® can also be mechanically fixed when used with S-Vap 500E
- Decostik® Foaming Adhesive is available for bonding insulation to very uneven existing surfaces
- Our membranes are tough and elastomeric, which means they can withstand normal thermal/structural movement
- Resistant to maintenance foot traffic, UV degradation, and airborne pollutants
- Maintenance walkways can be easily created by using Sika Liquid Plastics Skid Inhibiting Grit
- Sika Liquid Plastics Product Guarantee is available when using a QA contractor
- Decothane® systems have BBA accreditation

Product	Guarantee	Substrates	
Cold Bonded Decaflex® 10	10 Years	• Asphalt • Concrete • Felt • Metal Deck • Plywood	• Single Ply¹ • Stripped Concrete • Stripped Metal • Stripped Plywood
Cold Bonded Omega 15	15 Years	• Asphalt • Concrete • Felt • Metal Deck • Plywood	• Single Ply¹ • Stripped Concrete • Stripped Metal • Stripped Plywood
Cold Bonded Gamma 20	20 Years	• Asphalt • Concrete • Felt • Metal Deck • Plywood	• Single Ply¹ • Stripped Concrete • Stripped Metal • Stripped Plywood
Cold Bonded Delta 25	25 Years	• Asphalt • Concrete • Felt • Metal Deck • Plywood	• Single Ply¹ • Stripped Concrete • Stripped Metal • Stripped Plywood

¹Decotherm® may need to be mechanically fixed in some circumstances



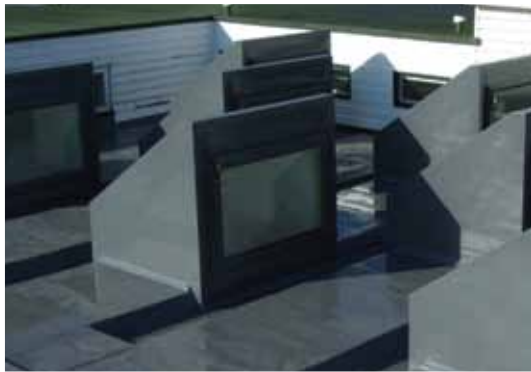
* Diagram shows a typical Cold Fusion Bonded Gamma 20 System

** Substrate must be in a suitable condition





Waterproofing Membranes for Overlaying Existing Roofs



Decothane® is the key product within our roofing range. Suitable for use on flat and pitched roof systems, as well as a waterproof coating within our built-up roofs, it cures to provide completely seamless waterproof protection. Once installed it achieves the highest fire ratings available for a roof system, and its excellent thermal and UV stability makes it suitable for use in all climates. It can also be guaranteed for 15, 20 or 25 years.

Decothane® is a high performance polyurethane coating, which rapidly becomes resistant to rain damage. It cures to form a completely seamless, elastomeric, vapour permeable membrane. Each system consists of an application of Decothane® Base Coat, fully reinforced with Sika Reemat® Premium glass fibre matting.

Once dry, an application of Decothane® Top Coat is added – followed by an additional

Top Coat for the Decothane® Delta 25 system. We also offer Decaflex® 10 – a shorter durability coating that offers a cost effective solution where budgets are tight, with the benefit of a Sika Liquid Plastics Product Guarantee.

Overlay of Existing Decothane® Systems - Product Life Extension Systems
Our Decothane® roof waterproofing membranes provide long lasting, elastomeric, weatherproof protection as well as many performance advantages over alternative systems. With the installation of a Product Life Extension System the life of the roof can be extended by 10 or 15 years at the end of the initial guarantee period. This process can be repeated time and time again, and offers huge potential financial savings to the Building Owner over the building's lifetime. The life extension process also reduces both the labour and materials required from the original Sika Liquid Plastics Specification, and therefore can greatly reduce the Life Cycle Cost of the roof system overall.

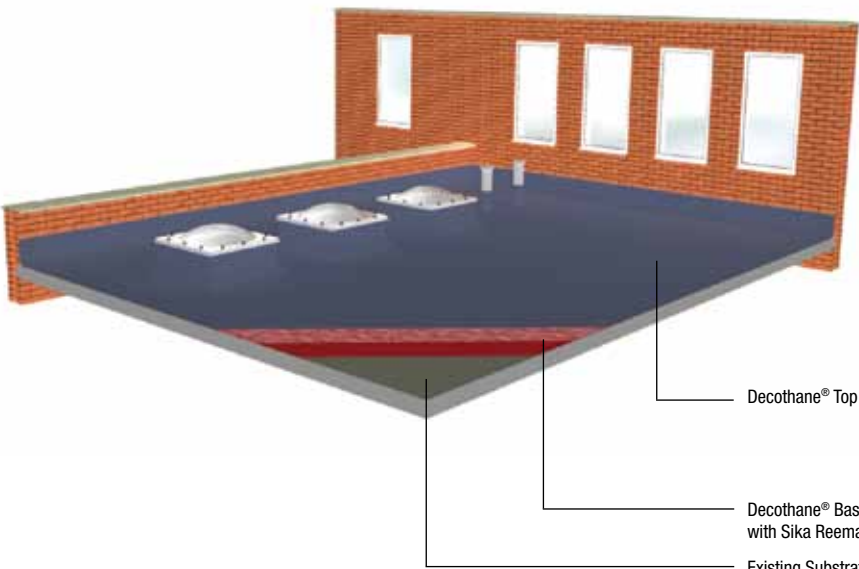
Decothane®/Decaflex® Waterproofing Membrane features:

- Totally Seamless
- Cold applied - eliminating the risk of fire in an occupied building during installation
- Highest fire ratings once installed
- Fast cure – single component
- High elasticity – allows for greater thermal movement
- Excellent thermal and UV stability for all climates
- Sika Liquid Plastics Product Guarantee is available when using a QA Contractor
- Decothane® systems have BBA accreditation



Product	Guarantee	Substrates
Decaflex® 10	10 Years	• Asphalt • Felt • Recovery Board* • Single Ply • Solar Reflective Paint
Decothane® Omega 15	15 Years	• Asphalt • Felt • Recovery Board* • Single Ply • Solar Reflective Paint
Decothane® Gamma 20	20 Years	• Asphalt • Felt • Recovery Board* • Single Ply • Solar Reflective Paint
Decothane® Delta 25	25 Years	• Asphalt • Felt • Recovery Board* • Single Ply • Solar Reflective Paint

* requires a carrier membrane



Decothane® Top Coat*

Decothane® Base Coat* with Sika Reemat® Premium

Existing Substrate**

* Diagram shows a Decothane® Omega 15 System

** Substrate must be in a suitable condition to overlay, core sample taken during the roof survey

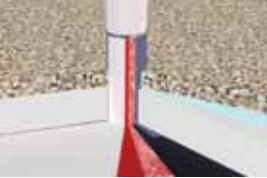
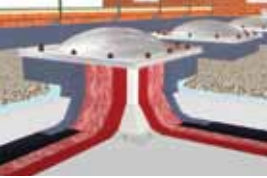




Inverted Roof System



Product	Guarantee	Substrates
Inverted Roof System	25 Years	• Asphalt • Felt • New Concrete • Strip to Concrete



Our Inverted Roof System offers many advantages over traditional warm and cold low pitched flat roofs. Not only is the system completely cold applied, it is also totally seamless - eliminating the risk of leaks due to failure of joints. As the waterproofing is protected from mechanical damage, UV degradation, and temperature extremes by the insulation and ballast the system can be expected to have a life in excess of that obtained in an exposed situation.

Sika Liquid Plastics Inverted Roofs offer protection from condensation risk and freeze/thaw cycles because the waterproofing is located on the warm side of the insulation. A completed Inverted Roof will also be resistant to foot traffic and exhibit a high compressive strength.

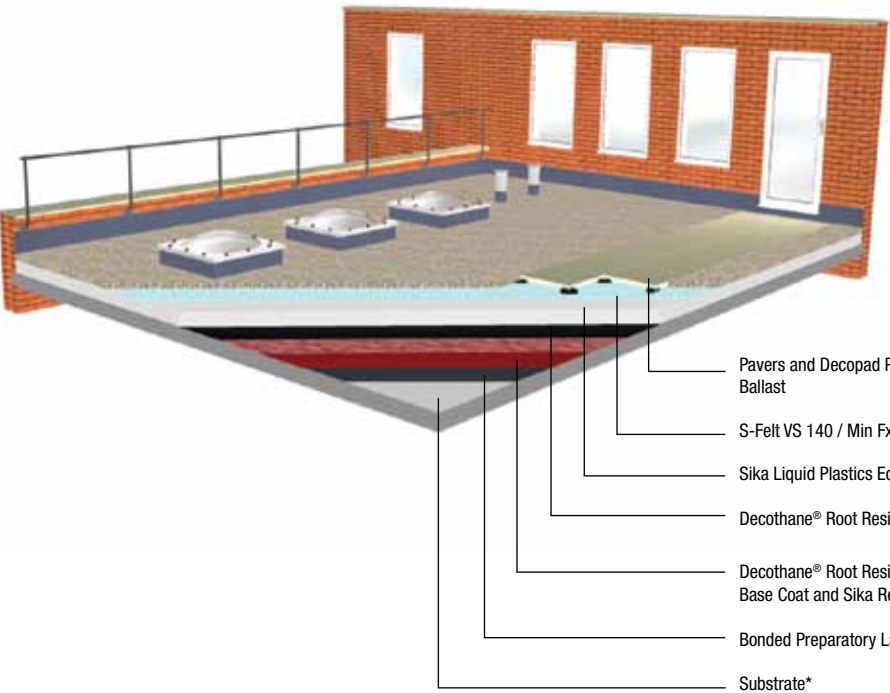
Unlike traditional inverted roofs, our system includes the completely seamless Root Resistant Decothane® waterproof membrane, which is proven to resist

penetration by aggressive roots. Traditional systems can be subject to failure because the waterproof layer allows water ingress through joints, seams, and detail areas. It is therefore particularly important to avoid this scenario in inverted roof situations where the waterproof layer is below the surface and not easily reachable should problems occur.

Our system also includes the Sika Liquid Plastics Bonded Preparatory Layer, which ensures a sound surface for the application of Decothane®. Insulation is provided by the Sika Liquid Plastics Eco Inverted Roof Board – an extruded polystyrene board that is manufactured using CO₂ as the blowing agent and has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP).

Also available for use in the Inverted Roof System is Min fx which is a high performance separation layer that prevents water from reaching the waterproofing layer, thereby almost completely eliminating the rainwater cooling effect.

- Inverted Roof System features:**
- Waterproofing system is seamless and cold applied
 - Easy to install with simple application in detail areas
 - High tensile strength - resists tear from building movement
 - Extended life of the waterproofing due to being in a protected location
 - Root resistant – no need for a separate root barrier
 - Has been tested in accordance with the requirements of FLL and DIN 4062 5.7 Root Resistance tests
 - Sika Liquid Plastics Product Guarantee is available when using a QA Contractor and when the complete inverted roof system is installed
 - The full system has BBA accreditation



- Pavers and Decopad Paving Support Pads Ballast
- S-Felt VS 140 / Min Fx Separation Layer
- Sika Liquid Plastics Eco Inverted Roof Board
- Decothane® Root Resistant Top Coat
- Decothane® Root Resistant Base Coat and Sika Reemat® Premium
- Bonded Preparatory Layer
- Substrate*

* Bonded preparatory layer is required



Green Roof Systems



Since 1995 green roofs have become a common sight in the UK with a popularity driven in the main by the growth in sustainable technology. Green roofs can also aid planning consent and offer many benefits to the environment.

A green roof is the term applied when vegetation such as sedum, plants and trees, are installed on a building. Sika Liquid Plastics Green Roof systems can be easily retrofitted to an existing or newly refurbished building. Prior to the start of the project a roof survey by a competent person will be required to determine the suitability of the roof structure. For this type of project lightweight sedum systems are often used which are only accessible for general maintenance purposes. Intensive and bio-diverse roofs are also possible.

Traditional waterproofing membranes such as bituminous felt, asphalt, single ply, and hot melt can all be used in green roof systems, however liquid applied membranes, like our Decothane® material, offer many advantages both during installation and once in-situ.

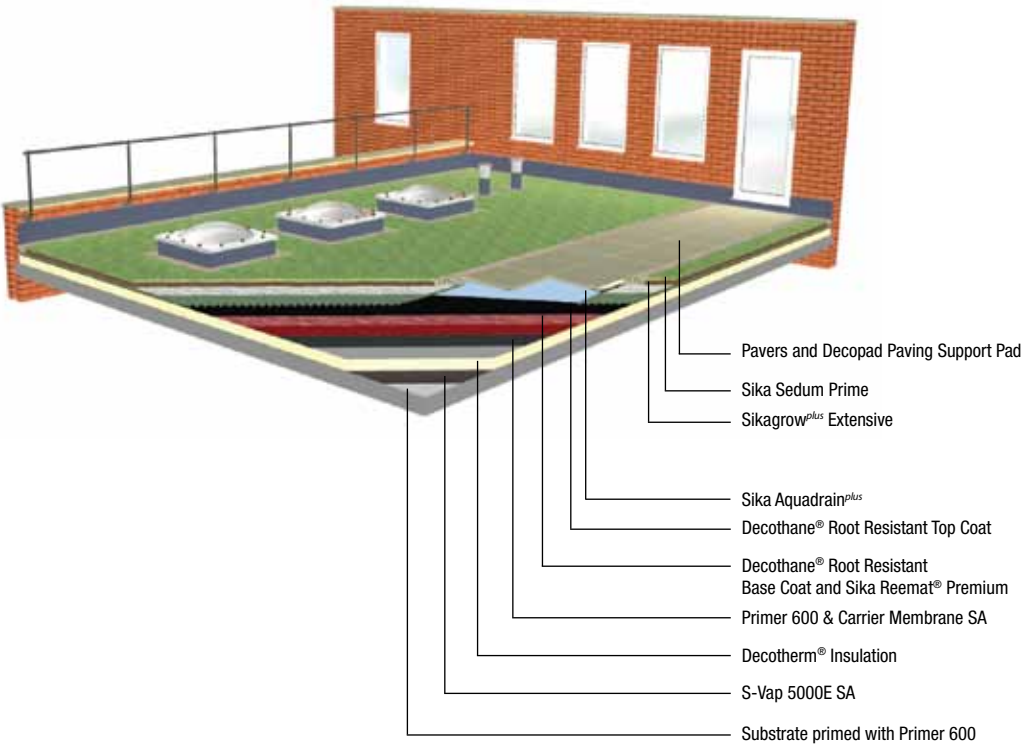
Primarily Decothane® is completely cold applied, thus removing the need for any heat or naked flame on the roof. It can be easily applied around detail areas and is also proven by FLL to resist penetration by aggressive roots. Our Green Roof Systems are unique because they were the first on the market to include a cold applied, seamless membrane that is certified by the BBA, and the waterproofing membrane also comes with a 25 year guarantee.

Green Roof System features:

- Waterproofing System is seamless and completely cold applied
- Root resistant – no need for a separate root barrier
- Has been tested in accordance with the requirements of FLL and DIN 4062 5.7 Root Resistance tests
- Easy to install with simple application in detail areas
- High tensile strength – resists tear from building movement
- Extended life of the waterproofing because it is protected by the green roof
- Sika Liquid Plastics Extended Product Guarantee is available for the full system including the green element, subject to a maintenance agreement
- The root resistant waterproofing system has BBA accreditation



Product	Guarantee	Substrates
Green Roof Warm Extensive	25 Years	Extensive roofs are suitable for most types of structure because they do not require a deep growing medium.
Green Roof Cold Extensive	25 Years	Extensive roofs are suitable for most types of structure because they do not require a deep growing medium.
Green Roof Inverted	25 Years	Extensive roofs are suitable for most types of structure because they do not require a deep growing medium. Intensive and Biodiverse green roofs can be more easily accommodated in inverted roof constructions.



There are three types of green roofs; Extensive Green Roofs, Biodiverse Roofs (Extensive Brown Roofs), and Intensive Green Roofs. Extensive Green Roof Systems are an ideal solution for providing an aesthetic, low maintenance ecological feature, which can be admired from surrounding buildings. Due to a relatively shallow growing medium they are much lighter in weight, making them ideal for use over most lightweight structures and low sloping roofs, and they are ideal for refurbishment projects.

At Sika Liquid Plastics we have a range of options to suit all green roof requirements, for more information please contact us on use 01772 255 015.





Solar PV Roof System



Product	Guarantee	Substrates
Cold Fusion Bonded Delta 25	25 Years	• Asphalt • Concrete • Felt • Metal Deck • Plywood • Single Ply • Stripped Concrete • Stripped Metal • Stripped Plywood
Inverted Roof System	25 Years	• Asphalt • Felt • New Concrete • Strip to Concrete

¹Decotherm® may need to be mechanically fixed in some circumstances

A roof was once seen only as a means of protecting a building from the elements. But now through the introduction of insulation to increase thermal efficiency, followed by the ability to generate renewable energy from the roof space, it has become a valuable resource for building owners.

By using solar photovoltaic (PV) panels on your building you can actually generate a yearly income that will pay off the initial cost of completing the roof work and installation, and in subsequent years will give you a significant return on your investment. The government also introduced the 'Feed in Tariff' system as a financial incentive developed to encourage building owners to generate their own power to help combat climate change.

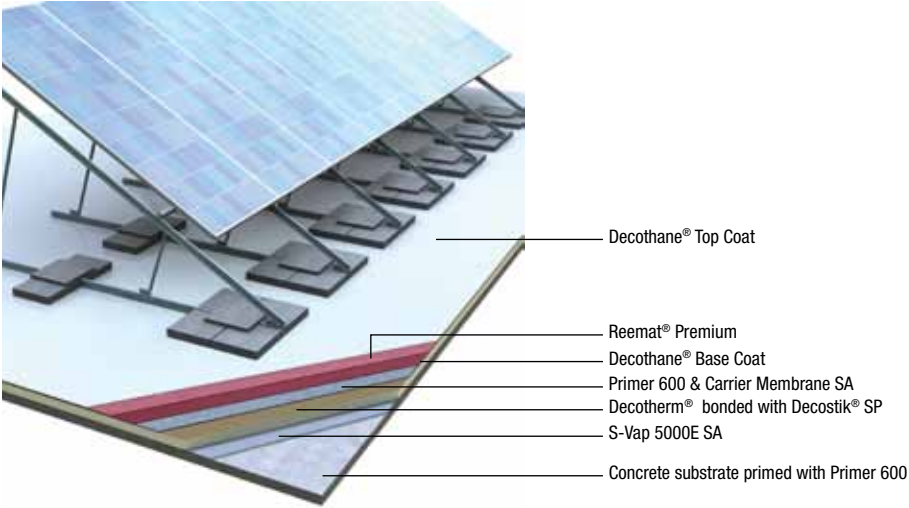
Sika Liquid Plastics is the market leader for high performance, cold applied liquid roofing systems and has worked closely with selected partners to develop a Solar Roof package that building owners can rely on.

All the roofing systems we offer can accommodate the addition of crystalline panels secured on a frame that may be weighed down with ballast or fixed to the deck.

Solar PV Roof System Features:

- Highly reflective white roofing system option - provides a cool roof system
- Easy to install and low maintenance costs
- Cold applied waterproofing with no flames and no heat required
- Completely seamless waterproofing
- Can be used in new construction and refurbishment projects
- Can be used for roofs with complex detail areas
- Proven waterproofing product performance and up to 25 years guarantee
- High tensile strength and elasticity
- Sika Liquid Plastics Product Guarantee is available for the waterproofing or for the full system excluding the solar panels, when a QA Contractor is used
- BBA Certified Systems

Solar System



Waterproofing Membranes to Encapsulate Asbestos Cement Sheets and Metal Profiled Roofs



Asbestos has historically been used in many types of building products until its use was made illegal on 24th November 1999. Despite this, there are still an estimated 1.5 million non-domestic properties containing asbestos. Inhaled asbestos contributes to around 3,000 deaths a year from asbestos related diseases – this is set to rise to 10,000 deaths a year by 2030.

There is a clear need to implement safety measures when encountering asbestos in buildings in order to prevent the release of harmful fibres into the air. Possibly the safest and most cost effective method is asbestos encapsulation within a seamless, protective coating. This involves relatively little disturbance of the material, therefore minimising the risk.

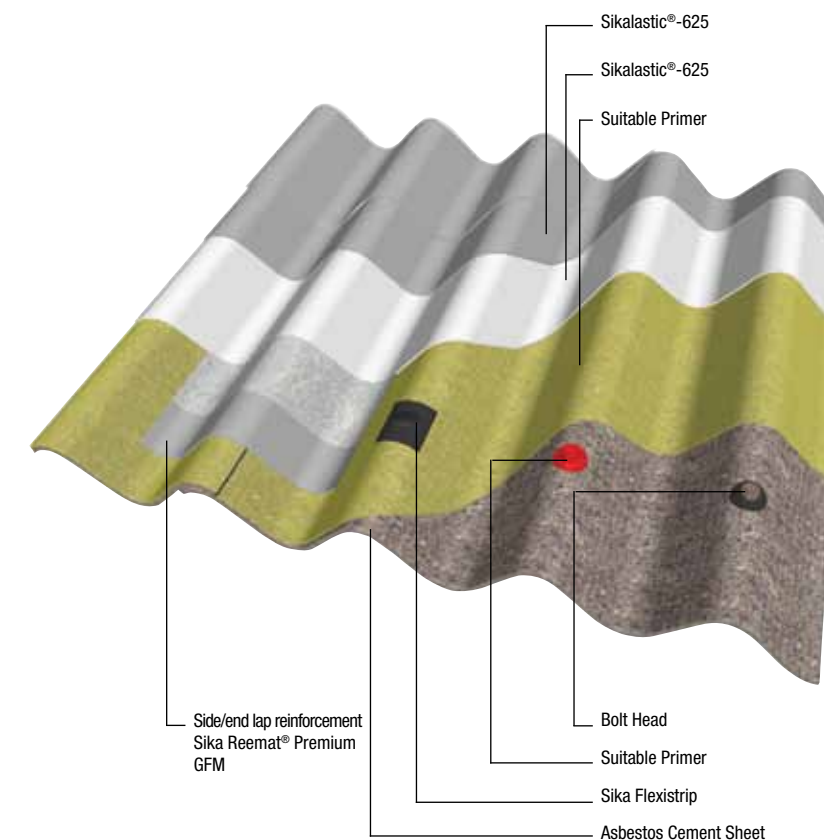
There are a number of benefits to encapsulating asbestos rather than attempting to remove it. Firstly it eliminates the need to dispose of the removed asbestos, a process which can be costly and is subject to strict controls. Encapsulation work can also be completed quickly, thus reducing disruption, on-site time, and all of the associated costs.

At Sika Liquid Plastics we have developed a special asbestos encapsulation system known as Asbestolok®, which incorporates Sikalastic®-625. Once installed, the system enables the asbestos to be left undisturbed and will provide protection from all of the associated dangers.

Our Asbestolok® system is suitable for external application and provides a seamless, elastomeric membrane which resists cracking and flaking.

Asbestolok® System features:

- Systems can be spray or brush applied
- More cost effective alternative to stripping
- Sika Liquid Plastics Material Guarantee is available
- All systems have passed stringent fire tests
- All systems are completely cold applied
- No fixing required
- Lightweight solution when compared to overcladding



Metal Profiled Roofs

32/33

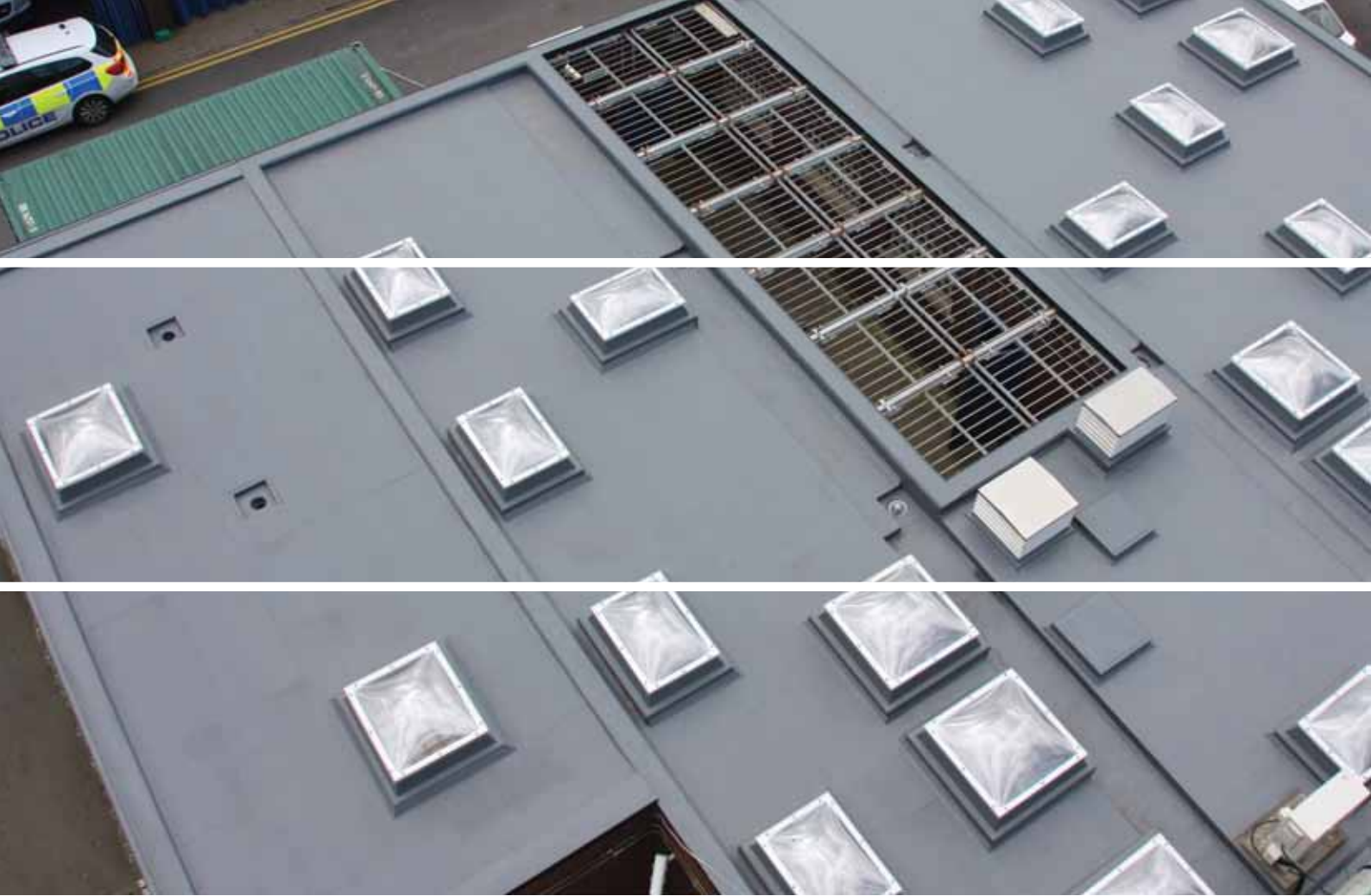
Sikalastic®-625 is a seamless coating that provides guaranteed waterproof protection as well as an aesthetically pleasing finish for metal profiled roofs.

Key product features include:

- Lightweight coating – there is no requirement to overclad the roof, which means disruption to the building below is minimised and costs are kept low
- Seamless – the opportunity for windblown rain to penetrate the seams of the cladding is eliminated and the building is kept watertight
- Extremely flexible – the locally reinforced coating can cope with normal thermal movement within the roof without splitting resulting in a waterproof membrane guaranteed to perform for 10 or 15 years



Rooflights



Decolight® is a comprehensive and versatile range of quality rooflights. Technical assistance and advice is available to ensure you specify the most suitable products for your roof.

Decolight® Modular Domes
Thermoformed dome and pyramid shape rooflights. Decolight® Modular Domes are offered in a wide range of sizes and glazing options All Decolight® Modular Domes are manufactured from high quality UV protected polycarbonate and are available with single, double, or triple-skin glazing.

Decolight® Modular Domes are offered in an extensive range of over 140 sizes from 300 x 300mm, through to 1800 x 3000mm. They have also been tested in accordance with EN1873 and ACR[M]2005 and are deemed 'Non-Fragile'.

Decolight® Modular Domes can be fitted directly to a builder's upstand or can be supplied complete with their curb adaptor.



Decolight® Modular Dome Key Features:

- Choice of dome, pyramid or trapezoidal shape
- Compliant with HSG33 recommendations
- Ventilation and access options available
- A range of upstands to accommodate new roof insulation
- Patented high security screwbolt fixings
- Large range of sizes available
- Simple to install
- Available in clear, opal diffused, bronze anti-glare and heat reflect

We can also offer a range of more specialist rooflights to be able to fulfil all of your project needs.

Decolight® Flat Glazed Modular Rooflights

Decolight® Flat Glazed Modular Rooflights are designed to maximise the amount of natural daylight in a building and at the same time provide a clean minimalistic finish both inside and outside the building.

They are manufactured with flat sealed glass units and incorporate a fully welded aluminium frame and sill detail. All visible aluminium is polyester powder coated light grey as standard.

Decolight® Flat Glazed Modular Rooflights Key Features:

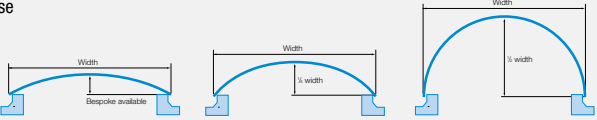
- Choice of square, circular and rectangular shapes
- Curb upstand provides tidy detailing
- Ventilation options available
- Good thermal and sound insulation properties
- Simple to install

Decolight® Vaulted Continuous Rooflight

Decolight® Vaulted Continuous Rooflights are high quality continuous rooflights used to span openings of up to 6m wide and unlimited length. Units consist of polycarbonate glazing and extruded aluminium sill sections, pre-formed curved glazing bars and capping profiles.

Decolight® Vaulted Continuous Rooflights Key Features

- Choice of solid, double, triple skin or multiwall
- Suited to new build or refurbishment situations
- High light efficiency giving excellent light distribution
- Available in low rise (1/6) and high rise (1/2)
- Curb upstand provides tidy detailing
- 'Non-fragile' version available, tested to 1200J

Product	Sizes Available	Shapes/Profiles available
Decolight® Modular Domes	140 sizes from 300 x 300mm, through to 1800 x 3000mm	Domed (square, rectangular or circular), pyramid (square), trapezoidal (rectangular) 
Decolight® Flat Glazed Modular rooflights	Offered in a range of standard and non-standard sizes	Square, circular and Rectangular 
Decolight® Vaulted Continuous Rooflights	Up to 6m wide and unlimited length	Low rise and high rise 



Fall Protection Systems



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Falls from height are the single biggest cause of death and one of the biggest causes of serious injury in the workplace today. For businesses whose workers need to operate quickly and effectively at height, fall protection is already a major issue – and this will become increasingly important as regulatory authorities introduce ever-stricter rules governing:

- Where height safety should be implemented
- The systems that are acceptable to use
- Who is responsible for ensuring worker safety

All roofs require some form of access for:

- General maintenance
- Structural/performance checks for warranty maintenance
- Plant access

The roofing industry operates under the Working at Heights Regulations 2005 (WAHR) as set by the Health and Safety Executive (HSE), schedule 2 relates to requirements for guard rails, toe boards, barriers and similar collective

means of protection. A guardrail used on a roof that need to be accessed for maintenance purposes must meet a minimum height of 1100mm.

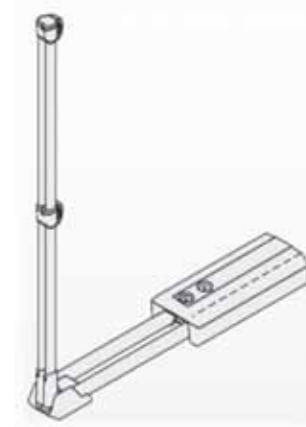
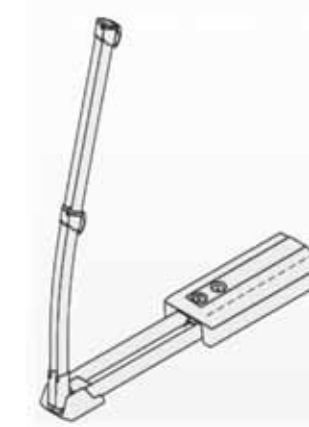
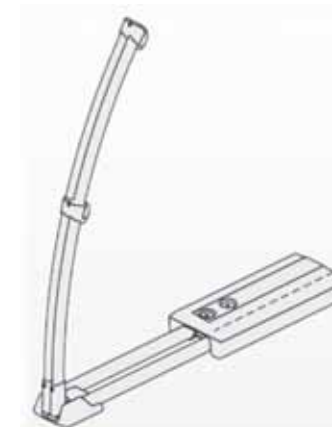
Some roofs that are being refurbished have previously relied upon a parapet wall for edge protection, but due to the increasing thicknesses of insulation required to meet building regulations, the height may no longer be adequate. In this situation a guardrail would ensure compliance.

Sika Liquid Plastics VersiRail®

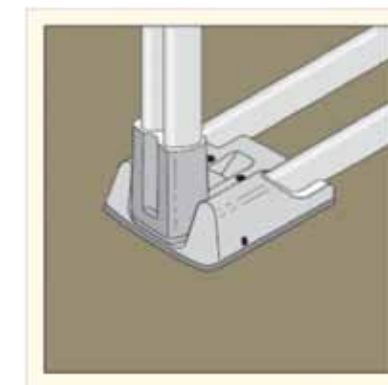
Sika Liquid Plastics VersiRail® is a free standing roof edge protection system which utilises a shoe for the foot of the upright that is fully compatible with and provides protection to the Sika Liquid Plastics roof membrane.

Sika Liquid Plastics VersiRail® Features

- Non penetrative – no need to drill or penetrate the roof
- Compatible with Sika Liquid Plastics liquid applied roofing membranes
- Lightweight: 30% lighter compared to traditional steel systems – easier manual handling for the contractor
- Under BS EN13374, tested and certified with uprights installed @ 2.5m centres – fewer components required compared to other handrail systems
- Durable aluminium, corrosion-resistant construction
- Versatile – can be designed for any flat roof plan
- Fully weatherproof
- Sika Liquid Plastics VersiRail® is covered by the Sika Liquid Plastics Extended Product Guarantee provided for the system within which they are incorporated



Uprights are available curved, inclined or straight and folding options are also available



The compatibility of the shoe with our roofing membrane has been extensively tested, and there is no detrimental effect on either product's performance characteristics. Other products on the market have not been tested with our roofing membranes and could have a detrimental effect on the waterproofing of the system, unless an additional separation layer is used.

LATCHWAYS
FALL PROTECTION





Roofing Accessories



In addition to our full range of roofing solutions, we also offer a comprehensive selection of roof accessories including roof edge trims, outlets, penetrations, lightning protection and bonding products that are fully compatible with our roof systems and covered by the guarantee provided for the system within which they are incorporated.

Trims

Sika Liquid Plastics provides a range of trims that allow correct termination of the liquid applied membrane at perimeter and upstand details.

Decotrim

A range of GRP (Glass reinforced plastic) roof edge trims used to terminate the liquid applied roof waterproofing system.

Termination Bars & Counter Flashing

Used for terminating liquid applied membranes at upstand details where traditional chase details are not applicable.

Elastic Sealing and Bonding Products

We provide a range of sealants and bonding products for use within Sika Liquid Plastics' roofing systems especially for use with our range of trims and termination bars

Lightning Protection

Lightning discharges contain large amounts of electrical energy, and the effects of a direct strike on a building can be devastating. The function of an external protection lightning protection system is to intercept, conduct and disperse a lightning strike safely to earth. The roof is an ideal place for lightning conductors to be installed to protect a building.

Sika Liquid Plastics Lightning Conductor Clips SA

The range consists of self-adhesive lightning conductor clips for bare or PVC coated 25mm x 3mm lightning conductor tapes.

Range of Roof Trims available

Product	Size (v/h)	Colour	Edge Profile
Decotrim® Edge Trim A Decotrim® Edge Trim B Decotrim® Edge Trim C Decotrim® Edge Trim E Decotrim® Edge Trim F	50/65mm 80/65mm 100/65mm 150/65mm 200/85mm	Black	
Decotrim® Drip Trim D	100/60mm	Black	
External Corner Trims to match the above Internal Corner Trims to match the above	240mm on face	Black Black	
Counter Flashing	75/18mm	Black	
Termination Bars	62/10mm	Black	

Range of Elastic Sealing and Bonding Accessories

Product	Purpose	Colour	Size
Sikaflex® PRO-2 HP	High performance one part polyurethane sealant used to seal details, terminations and isolated pinholes	Black	300ml cartridge
SikaBond® AT-Universal	One part solvent free elastic adhesive used for bonding termination bars and counter flashing	Grey	300ml cartridge
SikaBond® AT-Metal	One part solvent free elastic adhesive used for bonding termination bars and counter flashing to non-porous substrates particularly metals	Grey	300ml cartridge

Accessories for Lightning Protection

Product	Purpose	Colour	Size
Lightning Conductor Clips SA	Self-adhesive lightning conductor clip for 25mm x 3mm lightning conductor tape. Available for bare or PVC coated tapes.	Grey	64mm diameter

Range of other available accessories

Product	Size (v/h)
Vertical Outlet with Leaf Grate	75mm diameter and 110mm diameter available
Horizontal Leaf Grate	110mm diameter
Roof Cable Access Pipe	75mm diameter plastic elbows (vertical Spigot height 250mm)
Soil Vent Pipe	To suit 110mm diameter pipe



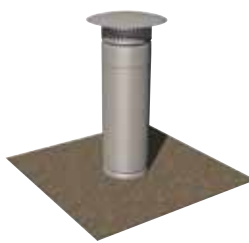
Vertical Outlet with Leaf Grate



Roof Cable Access Pipe



Horizontal Outlet with Leaf Grate



Soil Vent Pipe





Waterproofing for Balconies and Walkways



Most balconies and walkways are constructed from concrete with an asphalt waterproofing membrane, and without any protection these substrates will inevitably crack and erode.

We have developed a range of systems specifically designed to protect balconies and walkways against the challenges presented by the elements. The systems incorporate our unique waterproofing membrane Decothane® Balcons – a high performance waterproofing system that utilises a moisture-triggered curing system.

Our balcony systems can be installed over most existing surfaces, eliminating the costs and inconvenience associated with breaking out and disposing of the old material. And depending upon your design demands, a range of functional top-coat options are available.

Our balcony systems offer a complete solution for your balcony requirements, as well as exhibiting many key features:

- Up to 20 year guarantees available
- Excellent adhesion
- Waterproofing achieves high tensile strength
- Elastomeric – allowing for greater thermal movement
- Hard wearing
- Skid inhibiting
- Seamless technology – no seams or joints
- Vapour permeable
- UV resistant

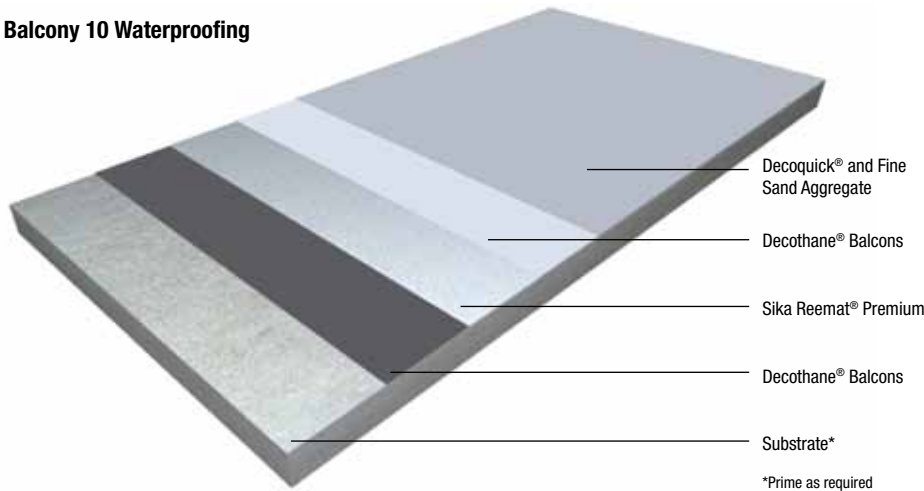
Decoquick® colours available:

- Steel Grey (RAL 7015)
- Pebble Grey (RAL 7032)
- Cement Grey (RAL 7042)

Product	Guarantee	Substrates
Balcony 10 Waterproofing	10 Years	Waterproofing and trafficable system for asphalt and concrete walkways, balconies and terraces
Balcony 15 Waterproofing	15 Years	Waterproofing and trafficable system for asphalt and concrete walkways, balconies and terraces
Balcony 20 Waterproofing	20 Years	Waterproofing of asphalt and concrete walkways, balconies and terraces that are to be tiled or buried
Balcony Trafficable Coat		Trafficable aesthetic system for concrete walkways, balconies and terraces



Balcony 10 Waterproofing



Our Balcony 10 Waterproofing system provides reinforced waterproof protection for walkways, balconies, and terraces.

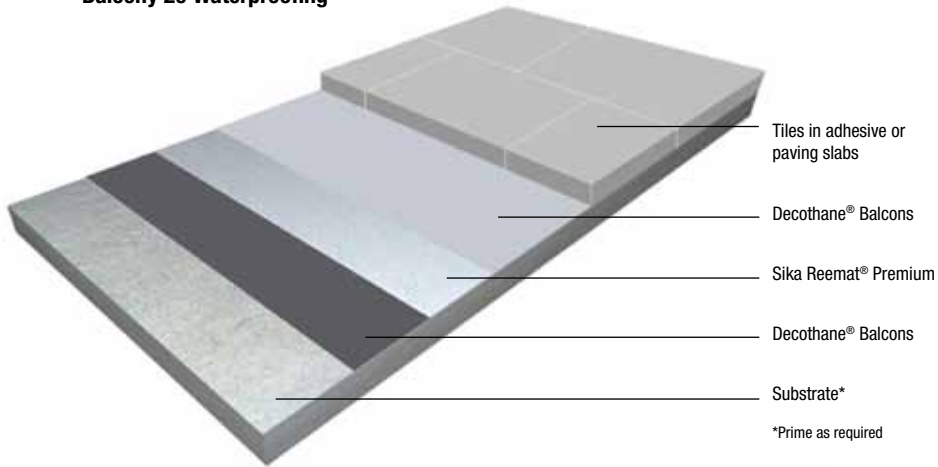
- 10 year Sika Liquid Plastics Product Guarantee is available when using a QA Contractor
- Fully reinforced – offers exceptional structural protection for both the deck and details
- Can be overlaid onto virtually all common balcony substrates including asphalt
- UV and chemically resistant
- Elastomeric – allowing for greater thermal movement
- Can have paint flakes applied for an enhanced aesthetic finish





Waterproofing for Balconies and Walkways

Balcony 20 Waterproofing

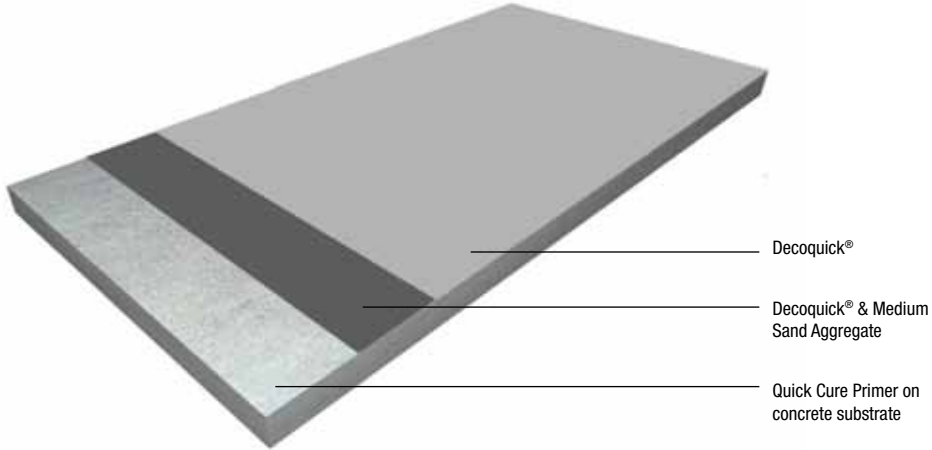


Our Balcony 20 Waterproofing system is ideal for waterproofing buried walkways, balconies, and terraces and can be covered by tiles, pavers, and screeds.

- 20 year Sika Liquid Plastics Product Guarantee is available when using a QA Contractor
- Seamless technology – no seams or joints
- Fully reinforced – offers exceptional structural protection for both the deck and details
- UV resistant at exposed details, and chemically resistant
- Elastomeric – allowing for greater thermal movement

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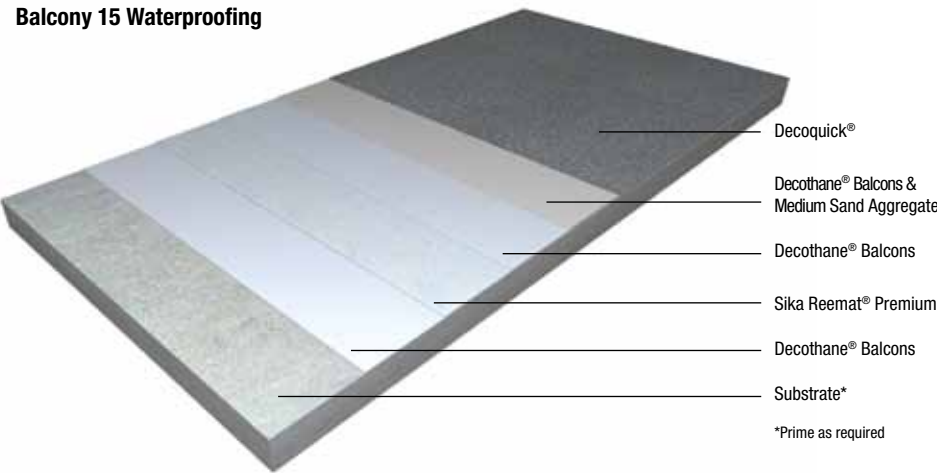
Balcony Trafficable Coat



The Balcony Trafficable Coat system has been designed to provide a cost effective, aesthetic surface for concrete balconies and communal walkways subject to pedestrian traffic. The system also incorporates Sika Liquid Plastics seamless technology.

- Cost effective
- Quick application
- Surfacing of concrete walkways, balconies, and terraces
- Can have paint flakes applied for an enhanced aesthetic finish

Balcony 15 Waterproofing



Our Balcony 15 Waterproofing system provides reinforced waterproof protection for walkways, balconies, and terraces.

- 15 year Sika Liquid Plastics Product Guarantee is available when using a QA Contractor
- Fully reinforced – offers exceptional structural protection for both the deck and details
- Can be overlaid onto virtually all common balcony substrates including asphalt
- UV and chemically resistant
- Elastomeric – allowing for greater thermal movement
- Can have paint flakes applied for an enhanced aesthetic finish

Waterproofing of stairs and stairwells



For full waterproofing of stairs and stairwells the Balcony 10 Waterproofing or Balcony 15 Waterproofing system can be specified. Both systems require the use of proprietary edge nosings to create a highly durable, skid inhibiting treatment for stair treads.





Waterproof Coatings for Associated Areas of the Roof



Product	Substrates	Finish
Decothane® Clearglaze	• Concrete • Masonry • Glass • Rooflights	Clear
Monolastex® Smooth	• Coated Concrete • Coated Masonry • Coated Render • Concrete • Masonry • Render	Matt
Decadex®	• Coated Concrete • Coated Masonry • Coated Render • Concrete • Masonry • Render	Matt

We have been manufacturing high performance specialist coatings for almost 50 years, and in that time we have developed an unparalleled knowledge of the specialist coatings market. We've used that knowledge to develop a range of weatherproof coatings for associated areas of the roof such as existing glazing, parapet walls and plant room walls.

Decothane® Clearglaze

Decothane® Clearglaze is a clear polyurethane coating which forms an effective barrier to water penetration. Its transparent finish renders it suitable for applications where it is desirable to retain the appearance of the underlying substrate. It is particularly suitable for protecting porous stone, decorative aggregate panels and brickwork against water penetration

and subsequent frost damage. The cured membrane enhances natural substrate colours -producing a “wet look” finish.

Decothane® Clearglaze is also suitable for use as a waterproof coating over glazing and rooflights. Combining toughness with excellent adhesion, the coating provides an alternative to replacement of glazing and glazing bars (dependent on condition).

Monolastex® Smooth

Monolastex® Smooth is a water based, acrylic coating that is used to weatherproof parapet walls and plant room walls. It is elastomeric, vapour permeable and can be guaranteed for up to 15 years. It is extremely fast drying under normal conditions and two coats can be applied in a working day. This system is available in a range of colours to suit the project.

Decadex®

Decadex® is a water based, copolymer waterproof coating that can be reinforced to increase the tensile properties of the system. This makes this system more suitable for use over less stable substrates such as spalling brickwork after suitable preparation. It is highly elastomeric, vapour permeable and has a successful track record of over 45 years. The system can be guaranteed for 10 years and is available in a wide variety of colours.

Features:

- Protection against water ingress
- Elastomeric – can withstand thermal movement
- UV stable
- Rapid drying and can be easily applied
- Proven track record
- Sika Liquid Plastics Material Guarantee is available



Approvals & Accreditations



Our leading polyurethane roof waterproofing membrane, Decothane®, achieves high fire ratings when tested in accordance with independent fire tests. These include BS 476-3:2004, FM approval* and BS EN 13501-5:2005 Test Methods 1, 2, 3 and 4. The root resistant version of Decothane® has also passed DIN and FLL testing, and as such is proven to resist penetration by even aggressive roots.



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“Third party accreditation allows us to provide independent proof that our products and services will meet our customers high expectations.”

Other key achievements include product approvals from the BBA (British Board of Agrément), ETA (European Technical Approval), and FM Approvals*.

Sika Liquid Plastics was the first liquid membrane manufacturer to have its products assessed by the BRE using the rigorous Environmental Profiles Methodology.

We have used our experience to work with the Liquid Roofing and Waterproofing Association (LRWA) to obtain a generic rating for cold applied liquid membranes. Sika Liquid Plastics manufactures polyurethane systems, which comply with the BREEAM generic element ratings for roof constructions as listed in the Green Guide to Specification website. Cold applied liquid roofing

membranes have been recognised by BRE to help roofing elements achieve up to an A+ rating (depending on the roof construction), demonstrating the sustainability and low environmental impact of this chemistry type.

For more information and to see the actual elements listed in the Green Guide to Specification please visit

www.bre.co.uk/greenguide



* Decothane® has FM Approval when applied to concrete

Sika Liquid Plastics and the Environment



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“Protecting the environment is the responsibility of all manufacturers, and it is a responsibility that we at Sika Liquid Plastics take very seriously.”

Our Commitment to Reduce Impact on the Environment

Environmental responsibility is a key consideration for Sika Liquid Plastics and is reflected in our achievement of the internationally recognised ISO14001 standard and Energy Star status in the US, and the continual development of our Environmental Management System. Having both our offices and manufacturing facilities on one site in Lancashire enables us to control and minimise our environmental impact during the manufacturing process, in the use of raw materials and the production of finished products as well as products sourced from external suppliers.

Since our formation, we have directed our research efforts towards developing high solids systems, which minimise the need for organic solvents. As a result we have always remained well in advance of stringent legislation and continue to lead an international field in the search for environmentally responsible technologies.

As members of the UK Green Building Council we are committed to providing products that contribute to a sustainable built environment. We also actively engage with all of our key suppliers to ensure that wherever possible all companies are accredited to BS EN ISO 9001/14001 and have approved Environmental Management System.

Carbon Footprint

We believe the carbon footprints for many of our products are considerably lower than our competitors. Many of our competitors are based in mainland Europe and the US and therefore our transportation carbon footprints are far less in comparison as we ship from our base in Preston.



Case Studies



Project:
Huntley Street, Bloomsbury

Size:
1200m²

Product:
Decothane® Delta 25



Project:
Cathedral Square, Glasgow

Size:
1200m²

Product:
Decothane® Gamma 20



Project:
Metro Centre, Gateshead

Size:
20,000m²

Product:
Cold Bonded Built-Up
Roof System

Case Studies



Project:
Barnsley District General Hospital

Size:
1800m²

Product:
Decothane® Delta 25



Project:
Hans Place, Knightsbridge, London

Size:
200m²

Product:
Decothane® Balcons 10



Project:
Golden Hill Fort, Isle of Wight

Size:
1000m²

Product:
Decothane® Gamma 20

Sika Full Range Solutions for Construction

Concrete Production



Sika® ViscoCrete®
Sika® Retarder®
Sika® SikaAer®

Waterproofing



Sikaplan®, Sikalastic®
Sika® & Tricosal® Waterstops
Sika® Injection Systems

Flooring



Sikafloor®
SikaBond®

Corrosion and Fire Protection



SikaCor®
Sika® Unitherm®

Concrete Repair and Protection



Sika® MonoTop®
Sikagard®
Sikadur®

Structural Strengthening



Sika® CarboDur®
SikaWrap®
Sikadur®

Joint Sealing



Sikaflex®
Sikasil®

Grouting



Sikadur®
SikaGrout®

Roofing



Decothane® Roofing Systems, Decothane® Balcony Systems, Sikalastic®-625 for Metal Roofs, Asbestolok® asbestos encapsulation Decaflex® Roofing System, Sikalastic® 618 Roofing System



Our paper is from FSC certified forests which are managed with consideration for people, wildlife and the environment



Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.



Sika Limited
 Sika House
 Miller Street
 Preston
 PR1 1EA

T: +44 (0)1772 259 781
 F: +44 (0)1772 255 670
 E: liquidplastics@uk.sika.com
www.liquidplastics.co.uk

Technical Helpline
 +44 (0)1772 255015
 Monday - Friday
 7.30am - 5.30pm

