



SIKA SEALING AND BONDING ESSENTIALS

BUILDING TRUST





SIKA SEALING AND BONDING ESSENTIALS

SPECIALIST SEALANTS AND ADHESIVES

SIKA IS A SPECIALTY CHEMICALS COMPANY WITH A LEADING POSITION IN THE DEVELOPMENT AND PRODUCTION OF SYSTEMS AND PRODUCTS FOR BONDING, SEALING, DAMPING, REINFORCING AND PROTECTING THROUGHOUT THE BUILDING SECTOR.

Effective joint sealing is critical to ensure the functionality and durability of any building. Although joint sealing only represents a small fraction of the total construction cost, they are often responsible for ensuring both air and weather-tightness, which in turn are critical to maintaining a durable, energy efficient building. Additionally, choosing the incorrect sealant can regularly result in large scale replacement measures resulting in unforeseen additional costs to projects.

All of the products within the essentials range have been formulated for performance – giving you the re-assurance that you are selecting a product that has truly been developed for quality above all else. Both Sika and Everbuild branded products have been used on many large scale projects and developments over the years, our dual range contains a diverse selection with multiple technologies, providing wide application solutions for all project requirements.

SPECIALIST SEALANTS



Everbuild Tecnic Silicone 825

Low Modulus Neutral Cure Sealant

Everbuild Tecnic Silicone 825 is a low modulus, neutral cure, odourless silicone sealant that adheres to a wide range of both porous and non-porous surfaces, without the need for priming.

Used for: perimeter pointing internally and externally, around PVCu/wood and powder coated aluminium; sealing and as an adhesive onto PVCu, plastic trims and components; sealing soft metals, such as lead, copper and zinc; weather sealing and joint sealing to pre-formed panels and curtain walling, glazing sealing and draught proofing; bedding and sealing of insulated glass units; suitable as an expansion joint sealant.

- Excellent tooling and slow skinning properties, for large-scale construction and glazing applications
- Excellent adhesion – adheres to most common surfaces, including glass, metals, plastics and wood (painted or unpainted), uPVC and polycarbonate
- Excellent external weathering properties (over many years exposure)
- High viscosity non-slump formula



Everbuild Tecnic Silicone S50

Mid Modulus Acetoxy Cure Sealant

Everbuild Tecnic Silicone S50 is a mid modulus, acetoxy curing silicone sealant that contains a powerful anti-fungal compound, to prevent mould and fungal growth in areas of high humidity.

Used for: sealing around all types of baths and shower trays; expansion joint and corner sealing of ceramic tiles; sealing around sanitary fittings in domestic and municipal applications; general sealing in areas subject to high humidity levels; as an adhesive for cosmetic bath and shower trim.

- High viscosity formula for quick easy tooling
- Flexible with movement accommodation of +/- 20%
- Waterproof seal
- Contains a powerful anti-fungal compound to prevent mould growth



Everbuild Tecnic Hybriflex 25LM

Low Modulus Construction Sealant

Everbuild Tecnic Hybriflex 25LM is a one-part low modulus building sealant, based on hybrid polymer technology, whereby a product can be painted over after application.

Used for: perimeter pointing of uPVC and all window/door frames; expansion joints in brick, stone and concrete; weatherproofing sealing applications, parapet and roofline sealing; construction and dilation joints, where stress does not occur until fully cured.

- High bonding strength, flexible, quick curing, solvent-free sealant, for interior and exterior use
- Totally waterproof and weatherproof, and can be applied to damp surfaces
- Resistant to chemicals and petrol (10% dilute acids/alkalis, most solvents)
- Excellent primer-less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces, etc.



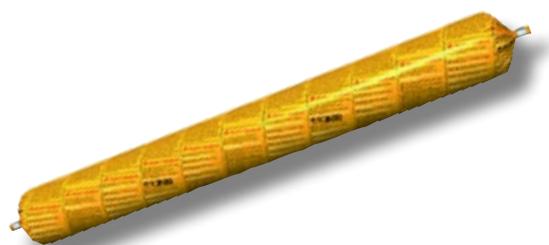
Everbuild Tecnic Hybriflex FR foil

Hybrid Based Fire Rated Sealant and Adhesive

Everbuild Tecnic Hybriflex FR foil is a one-part, chemically curing solvent-free sealant and adhesive, combining the best qualities of silicone and polyurethane technologies. It is specifically designed as a multipurpose floor and wall sealant for all concrete saw cuts and cladding applications, and/or slab expansion joints, where fire resistance is required. Hybriflex FR has a fire rating of up to four hours in certain joint configurations.

Used for: high traffic floor joints, such as those found in garage forecourts, warehouses, factory floors, sports arenas, shopping centres, etc.

- Good slump and abrasion resistance
- Excellent resistance to chemicals and petrol (10% dilute acids, alkalis, most solvent)
- Good flexibility ($\pm 20\%$ façade) and can be applied on damp/wet surfaces
- Over-paintable with most paints (compatibility test should be made prior to full scale application)



Sikaflex® PRO-3

One-Part High Performance Sealant For Floor Joints and Civil Engineering Applications. Also available in Self-Levelling

Sikaflex PRO-3 is a one part, moisture curing, elastic joint sealant for floor joints, based on polyurethane with high mechanical resistance. For indoor and outdoor applications, and suitable for use in hot and tropical climatic conditions.

Used for: movement and connection joints in floors, for indoor and outdoor applications, for pedestrian and traffic areas (e.g. parking decks, car parks); in warehouses and production areas and on surfaces such as in the food industry; for ceramic tiles, such as in public buildings, etc.; floor joints in tunnel construction.

- One-component, self-levelling featuring bubble-free curing
- Easy to apply with movement capability of + 25 %
- Excellent adhesion to most substrates
- Good mechanical and chemical resistance



Sikaflex® Floor

One-part Sealant for Flooring

Sikaflex Floor is a one-part, moisture-curing, elastic joint sealant, with high mechanical resistance.

Used for: connection joints in floors; joints for crack control in industrial floors; floor joints between pre-cast concrete elements (mainly indoor).

- Bubble-free curing with movement capability of 12.5%
- Good application properties
- Solvent-free and odourless
- Very good adhesion to most construction materials



Everbuild PU40

High Modulus P.U Hybrid Based Adhesive and Sealant

Puraflex 40 is a high modulus, one component, polyurethane hybrid based sealant and adhesive that remains permanently elastic and has good adhesion to most substrates.

Used: Sealing and bonding metal panels and trim; Expansion joint sealing in concrete panels and floor joint; Sealing in applications subject to vibration and mechanical abrasion; High traffic floor joints such as those found in garage forecourts, warehouse and factory floors etc.

- Bonds to concrete, wood, metal, aluminium, polyester, glass, uPVC, stone, ceramics, etc.
- Over paintable with gloss and emulsion paints – preliminary test required before use.
- CE Marked to types FEXT-INT CC and PW EX-INT CC.
- Solvent free (EMICODE EC 1PLUSR Very Low Emissions).
- Good sea water resistance



Everbuild PU25

Low Modulus PU Adhesive and Sealant

Puraflex 25 One part Polyurethane Sealant is a premium quality one component low modulus sealant designed to replace conventional one part Polysulphide sealants in most applications.

Used for: Most construction, expansion and dilation joints in brickwork, stone and concrete structures, vertical and horizontal; Pointing and perimeter joints around timber window and door frames; Capping to beaded glazing systems; Sealing and pointing in roofline applications and to composite panels, metal panels and steel structures; Sealing and pointing pre-cast concrete panels; and light traffic floor joints.

Excellent adhesion to most building substrates.

- Over paintable – preliminary test required before use.
- Conforms to stringent SNJF and ISO specifications – ISO 11600 Class 25LM.
- Solvent free and odourless
- Movement capability +100/-50%



Everbuild Stayseal 75

Two Part, Pick-resistant Epoxy Sealant

Stayseal 75 Non-Pick is a two-part easy to mix epoxy which cures to form a hard, pick-resistant joint accommodating small movement in extension and large movement in compression.

Used for: Secure environments giving a vandal resistant seal; Perimeter securing of cell windows, doors and sanitary ware; Swimming pools; Compression joints, shower rooms and areas where long-term immersion in water is likely.

- Excellent impact, wear and chemical resistance
- Resistant to picking
- Passed for use on different home office, national offender management services and ministry of justice projects.
- Suitable for permanent water immersion

SEALANTS AND ADHESIVES



Sikaflex® 11 FC+

Sealant and Multi-purpose Polyurethane Adhesive

Sikaflex-11 FC+ is a one-part, moisture-curing, elastic joint sealants and multi-purpose polyurethane adhesive.

Used: As a joint sealant for vertical and horizontal joints, soundproofing of pipes between concrete and sheathing; caulking between partitions, seam sealing, sealing in metal and wood construction, for ventilation construction and many more;

As a multi-purpose adhesive, suitable for indoor and outdoor bonding of window sills, thresholds, stair treads, skirting boards, base boards, crash protection boards, covering boards, prefabricated elements and many more.

- One-part, ready to use sealant that is flexible and elastic, solvent-free and odourless, with very low emissions
- As a sealant, it features bubble-free curing with non-sag consistency
- Good mechanical resistance, weather and ageing resistance
- As an adhesive, there is no need to grout the bonded part, it is non-corrosive featuring impact and vibration absorbing

Everbuild Stixall Extreme Power

Buildings Adhesive and Sealant

The ultimate combined building adhesive and sealant, designed to bond and seal virtually everything to anything in all conditions, including under water or in the rain

Everbuild Stixall Extreme Power is a one-part, chemically-curing solvent-free sealant and adhesive, combining the best qualities of silicone and polyurethane technologies. Specifically designed for adhering most common building surfaces to each other and to themselves.

Used for: sealing and bonding in almost every application imaginable, including as high quality nail replacement adhesive, even to damp surfaces; bonding mirrors to most common substrates; automotive gap filling and sealing.

- Incredible initial grab, no-slip and gap filling properties, with high bonding strength
- Interior and exterior use, and can be applied to wet surfaces, as it is waterproof and weatherproof
- Quick curing, solvent-free, resistant to temperature extremes -40°C to +100°C
- Excellent resistance to UV radiation and to chemicals and petrol (10% dilute acids/alkalis, most solvents)
- Excellent primer-less adhesion to most surfaces, including metals, most plastics, glass, concrete, plaster, plasterboard, polyester, perspex, glass, wood, enamel, painted surfaces, etc.



GENERAL SEALANTS



Everbuild 125 One Hour Decorators Caulk

Fast Drying Flexible Decorators Filler and Sealant

Everbuild 125 One Hour Decorators Caulk is a fast drying flexible decorators filler and sealant, which can be overpainted with all paint types, or covered over with wallpaper. No sanding down is required and it remains permanently flexible.

Used for: sealing and filling cracks and gaps prior to decorating; around skirting boards, ceiling cornices, window and door frames, stair treads and risings and fixtures adjoining walls; filler for damaged plaster.

- Fast-drying - can be overpainted in one hour
- Permanently flexible
- Easy water clean-up
- Excellent slump resistance



Everbuild General Purpose Silicone C3

Multi-purpose Mid Modulus Silicone Sealant

Everbuild General Purpose Silicone C3 is a multi-purpose acetoxycure silicone sealant that cures quickly, to provide a permanently flexible, high strength waterproof seal. It contains a fungicide to prevent in-product mould growth in areas of high humidity.

Used for: sealing around baths, showers, basins and other sanitary ware; adhesive for fixing PVCu trims, cladding and panels; sealing around worktops and laminates; aluminium gutter sealing and general draught proofing.

- Permanently flexible, high-strength waterproof seal
- Anti-fungal formula - prevents mould growth
- Quick-curing, therefore low dirt pick-up
- Low viscosity for fast application



Everbuild Firemate

Intumescent acrylic sealant that swells when exposed to temperatures, to prevent the passage of fire and smoke

Everbuild Firemate is a five hour rated, one-part, emulsion acrylic-based, intumescent acoustic sealant that gives a firm, yet flexible, seal to joints in a variety of fire rated structures. The product, in suitably designed joints, will resist the passage of fire for up to five hours. The selected fillers used in this formulation also make it suitable for use as an acoustic sealant.

Used for: sealing joints, voids and irregular holes in fire walls, partitions and other structures; maintaining the integrity of pipes and cables that penetrate them; internal perimeter pointing of fire rated door and window frames.

- Non-slump, fast-curing and over-paintable sealant that can be used in joints up to 50mm wide
- When exposed to heat, it swells greater than 150% of its original size, creating a char that will resist the passage of fire for up to five hours
- Permanently flexible, with more than 100% elongation, no priming required for most construction substrates
- Excellent acoustic properties for sound deadening - average noise reduction of 24db (100-3150Hz)

SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



LIQUID APPLIED ROOFING



SINGLE PLY ROOFING



CONCRETE



CONCRETE REPAIR



STRUCTURAL STRENGTHENING



WATERPROOFING



JOINT SEALING



FAÇADE STRUCTURAL ADHESIVES



FLOORING



INDUSTRY



DISTRIBUTION



BUILDING TRUST

WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika have a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 101 countries around the world and manufactures in over 200 factories. With more than 20,000 employees Sika generates annual sales of CHF 7.09 billion (£5.45bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds and Dublin with more than 870 employees and a turnover of more than £260 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Please refer to our homepage www.sika.co.uk for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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