

SealPrem Hybrid Hi-Tack Adhesive

Product Description

One-part elastic adhesive with immediate grab and high strength, which quickly reaches the final performance, based on new hybrid technology. Specially designed for fast, elastic, durable and highly resistant bonds in construction, metal industry, auto, marine, etc., for multiple bonding and sealing applications. Weather-resistant, completely neutral and odourless curing, minimal health and safety considerations.

Features

- Extremely high initial grab
- Fast curing
- Can be applied to moist surfaces
- Forms a strong and elastic bond
- High final strength
- Excellent adhesion to a wide range of materials
- Very good UV, weather and ageing resistance
- Silicone, isocyanates and solvent free
- Non-corrosive
- Impact and vibration absorbing
- For both interior and exterior applications
- Easy to apply
- Permits painting (tested previously)

Typical Applications

- Immediate gluing and fixing of elements in construction and decoration: profiles, plinths, skirting boards, mouldings, scones, plasterboard, thermal and acoustic insulation plates, window sills, roof tiles, tiles, metals, etc.
- Flexible gluing of panels in walls
- Expanded polystyrene bonding
- Thermal and acoustic insulation panelling in refrigerated containers, caravans, motor-homes, commercial vehicles.
- Bonding applications, even on wet surfaces, in the marine industry
- Fast and elastic bonds in vibrating constructions.

	Value
Basis	Hybrid Polymer
Consistency	Non-slump paste
Specific gravity	Approx 1.55g/l ISO2811-1
Skin forming time	5-10 min (at 23°C; 50% H.R.) OQ. 16-internal
Curing rate	2-3mm/24h OQ.18-internal
Resistance to flow	Approx. 0mm (at 5°C and 50°C) ISO 7390
Total VOC content	Approx. 27g/l SCAQMD rule 1168

Premier Sealant Systems Ltd.

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Registered in Cardiff No. 3000843

Consumption	Approx. 50ml/linear meter (Nozzle diameter: 8mm)
Shore A Hardness	65 ISO 868
Application temperature	+5°C to +40°C
Service temperature	-40°C to +90°C
E-modulus 100%*	1.80MPa
Tensile strength*	2.50MPa0
Elongation at break*	>250%
Colour	Black and White
Package	290ml cartridge

The values may vary depending on environmental factors such as temperature, moisture and type of substrate. The time until complete curing may be extended at lower temperature, lower humidity or increased film thickness.

* Tested according to ISO 37 (2mm thickness, S2 dumbbells, 7 days, 23°C; 50% R.H.)

Application Instructions

Surface preparation:

The surface to joining must be clean and free of old residues, polish, dust, grease and other contaminant which may affect the adhesion. It is recommended that they are also dry or eventually damp, but not wet supports are preferable. Painted surfaces must be well cured and free of loose paint. If necessary, fill all the perforations and irregularities of the support, trying to obtain a support as flat as possible. This product adheres to most common construction materials without primer, such as concrete, brick, stone, marble, tiles, ceramics, galvanized steel, glass, PVC, polycarbonate, plastics, etc. However, a preliminary adhesion test is always recommended on every particular surface. Sometimes it may be necessary to treat the surfaces with a primer to obtain better adhesion performances.

Application method:

Apply the adhesive evenly with a professional caulking gun, ensuring good contact with the surfaces to be bonded. Observe the eventually used primer's open time before applying. Apply in strips or little spots on the bonding surface at intervals of a few centimetres. Place immediately the surfaces together in the required position and press firmly. If necessary, use adhesive tape, wedges or props to hold the assembled element for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again. Optimum bonding will be obtained after completed curing, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3mm.

Cleaning:

Uncured product may be easily removed with alcohol. Cured sealant must be removed mechanically.

Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5°C to +25°C and protected from direct sunlight.

Limitations

- Do not use as a glazing sealant, on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents (for example, natural rubber, chloroprene, EPDM)
- There is no adhesion to PE, PP, PTFE (Teflon) or silicone. Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.
- Paintability: due to large number of paints and varnishes available we strongly recommend a compatibility test before application.

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- Please observe the expiration date!

Technical classification and certificates

- EMICODE® EC 1 Plus - very low emission
- French VOC class A+

Safety regulations

The uncured product must be used in well-ventilated areas, avoiding contact with skin and eyes. Keep out of the reach of children. Information relating to the safety of the product is available in the safety data sheet (SDS). Before using the product, we advise you to carefully read the SDS and the safety labels on the packaging.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. May 2024

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