SOUDAL

Technical datasheet

Fix ALL High Tack

Description

Fix ALL High Tack is a high-quality, neutral, elastic one-component adhesive sealant based on SMX – polymer with a very high initial tack.

Properties

- End strength up to 320 kg/10 cm^2
- High initial tack reducing the need for initial support.
- Fast curing
- High shear strength after full cure (no primer).
- Stays elastic after curing
- Very durable
- Impervious to mold
- Can be painted with water-based systems
- Good weather and UV resistance
- Very good adhesion on many materials, even if slightly moist

Application

- Sealing and bonding applications in the building industry.
- Elastic bonding of objects, panels, profiles and other pieces on the most common substrates.
- Elastic structural bonding in car and container industry.
- Sealing joints in sanitary rooms (bathroom) and kitchens.

Technical data

Base	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Specific Gravity (g/ml)	1.47
Skin formation (minutes)	ca. 5
Curing speed (mm/24h)	ca. 3
Hardness (Shore A, Points)	65±5
Elongation at Break (%) ISO 37	ca. 400
Maximum Tension (N/mm^2) ISO 37	ca. 3.20
Maximum allowed joint movement (%)	± 20
Elasticity Modulus 100% (N/mm^2) ISO 37	ca. 2.30
Elastic Recovery (%) ISO 7389	> 75
Temperature Resistance (°C)	-40 to +90
Application Temperature (°C)	+5 to +35

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

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Substrates

- Substrate condition

  The surface must be rigid, clean, dry, free of dust and grease.

- Substrate preparation

  Porous surfaces in water-loaded applications should be primed with Primer 150. Prepare non-porous surfaces with a soudal activator or cleaner. While producing plastics very often releasing agents, processing aids and other protective agents (like protection foil) are used. These should be removed prior to bonding or sealing. For optimal adhesion the use of Surface Activator is recommended.

- Substrate types

  Fix ALL High Tack has a good adhesion to all usual building substrates, lacquered wood, metal, plastics, and PVC etc.

  Fix ALL High Tack is not suitable for PE, PP, PTFE (Teflon®), PVC, bituminous substrates, copper or copper containing materials such as bronze and brass.

  Due to the wide variety of materials used a preliminary compatibility test is highly recommended.

Joint Size

Minimum width for bonding: 2 mm
Minimum width for joints: 5 mm
Maximum width for bonding: 10 mm
Maximum width for joints: 30 mm
Minimum depth for joints: 5 mm
Recommendation for sealing jobs: joint width = 2 x joint depth.

Application method

- Application method

  Apply the product with a manual, pneumatic or a battery-operated caulking gun.

- Cleaning method

  Clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use. Cured product must be removed mechanically.

- Finishing method

  Utilize soapy water to wipe away excess caulking or sealant before it dries, ensuring a polished appearance.

- Repair method

  Repair with the same material.

Health and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: White, Black
Packaging: 290ml Cartridge
Shelf life: 12 months from the date of production. The product must be stored in its original, undamaged, and sealed packaging under dry conditions, protected from direct sunlight, and at temperatures between +5°C and +25°C.

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Standards and Certificates

- NL: KOMO certified for construction adhesive. BRL3107.
- Declaration of compliance ISEGA – Tested for use in food related areas.
- Australia: Watermark level 1.

Environmental Clauses

- Leed regulation: Fix ALL High Tack conforms to the requirements of LEED. Low – Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168.
- Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Remarks

- Fix ALL High Tack may be over painted with water-based paints, however due to large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin-based paints may increase.
- Fix ALL High Tack can be applied to a wide variety of substrates. Because specific substrates such as plastics, like polycarbonate, etc., may differ from manufacturer to manufacturer, we recommend a primary compatibility test.
- Fix ALL High Tack cannot be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Fix ALL High Tack can be used for bonding natural stone, but it cannot be used as a joint sealant on this type of surface.
- When applying, make sure that the surface of the materials is not smudged with sealant.
- The sanitary formula should not replace regular cleaning of the joint. Excessive contamination, deposits or soap residues will stimulate the development of fungi.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Fix ALL High Tack has good UV resistance but can discolor under extreme conditions or after long UV exposure.
- Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.

This technical data sheet supersedes all earlier versions. The information provided is based on our tests and practical experience and is supplied in good faith as general guidance only, without creating any liability. Since materials, substrates, application design, and processing conditions vary widely and are outside our control, we cannot accept responsibility for the results obtained from use of this information. The user must verify suitability for the intended application through their own testing, and preliminary trials are recommended in all cases. The manufacturer reserves the right to change product specifications without prior notice.

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