



1401 Technobond PU

Description

One component, multi-purpose, elastic polyurethane adhesive and sealant.

Fields of Application

- Horizontal and vertical bonding of various construction materials such as ceramic, wood, gypsum board, steel, aluminum, fibre cement on substrates such as concrete, ceramic, aluminum, wood.
- Bonding of prefabric construction materials.
- Bonding of facade panels like ceramic, granite ceramic, KALESINTERFLEX® to metal construction.
- Sealing of expansion joints of internal and external places subject to movement up to 20% in supermarkets, car parks, shopping centers and warehouses.

Properties

- High early bonding strength (no sagging after application).
- High adhesion to various substrates.
- High elasticity.
- Long lasting and resistant to severe weather conditions.
- Non-corrosive.
- Resistant to chemicals like water, cleaning agents, small amounts of oils and hydrocarbons, diluted acids and bases.

Preparation of Substrates

- All substrates must be clean, dry, solid and sound, free of dust and oil etc. which may prevent proper adhesion.
- Cementitious substrates must be cured.

Application

- The product must be placed in the cartridge or sausage gun.
- Heavy materials exceeding 8 kg/m² must be supported for at least 15 hours.
- The cartridge tip should be cut at an angle fitting the width of the surface to be applied.
- The product should be applied in dots or strips.
- Smooth the surface of the sealant and check for the adhesion on the substrate right after the application.
- Possible air bubbles in the material should be let off during this process.

Post-Application Protection & Suggestions

- If the application is interrupted, keep the tip of the packing closed.
- Clean equipment with a solvent before drying. Cured products can be removed mechanically.
- Surface and ambient temperature between +5°C and +40°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.
- Contains polyisocyanates. Harmful.
- Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with soap and plenty of water and seek medical advice.
- Wear protective clothes, gloves and goggles.
- Do not inhale the vapor. Ventilate the area during the application. For further information refer to the safety data sheet.

Storage

- Store at temperatures between (+5°C) - (+30°C) in a well-ventilated room.

Packaging

- 310 ml. Cartridge
- 600 ml. Sausage

Quality Certificates



Conforms EN 15651-1: F-EXT-INT-CC

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Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	Grey colored polyurethane adhesive and sealant
Shelf Life	12 months when in original sealed cartridges and sausages.

Application Data

Application Temperature Range	(+5°C) - (+40°C)
Curing Time	3 mm./24 hours
Skin Formation Time	60-90 minutes
Tack Free Time	60 minutes

Performance Data

Hardness, Shore A (DIN 53505)	40 - 45
Modules at %100 Elongation (EN ISO 8339)	> 0.40 N/mm ²
Tensile Strength (ISO 8339)	> 0.60 N/mm ²
Elongation at Breaking Point (ISO 8339)	> 500%
Elastic Recovery (ISO 7389)	≥ 70%
Movement Capability (ISO 11600)	25%
Resistance to Flow (EN ISO 7390)	≤ 3mm
Service Temperature Range (after final cure)	(-30°C) - (+80°C)