

KATRET PU BOND

Polyurethane Sealant

Product Description :

KATRET PU Bond is a polyurethane-based, one-component sealing material with excellent waterproofing and adhesion qualities. It is cured with the air humidity and can be used indoors and outdoors.

Areas of application :

- Developed for use in constant gaps and moveable joints in the construction sector.
- In the joints of prefabricated concrete construction materials.
- In the building materials and blocks, for filling the joints that are left open as working and settlement allowance.
- In buildings, for filling the gaps between details and blocks constructed for decorative and constructive purposes.
- In connection areas of walls and floors in balconies and terraces.
- For filling the joints in constructions like bridge piers, barrages, tunnels, concrete roads, etc.
- It should not be used in the materials that are high in plasticized material and not resistant to abrasion and cracking.

Features :

- A ready-to-use, one component sealing material
- Maintains its elasticity for years without any volume loss
- No sagging may occur; resistant to aging and abrasion
- Unaffected by temperature fluctuations (between -40°C and +80°C) and many chemical materials (diluted).

Technical data :

Color	White (RAL 9003) Black (RAL 8022) Grey (RAL 7047) Brown (RAL 802)
Tensile Strength MPa (kg/m ²) (DIN 53504)	≥ 1,0
Elasticity (%)	≥ 500
Shore A Hardness	~ 40 - 45
Sag Flow	0 mm. (ISO7390)
Density, gr/m ³	1,25 ± 0,05
Skin Formation Time (min) (at +23°C and 50% relative	~ 60
Curing Speed (mm/day) (at +23°C and 50% relative	Appr. 3
Heat Resistance	Between -40°C and +80°C
Running Temperature	Between +5°C and +35°C

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

Standards and approvals :

- ISO 11600 F25 LM
- EN15651-1, class 25 HM
- ASTM C920, class 25
- Passes LEED EQc4.1 " Low-emitting products"
- French A+ , very low emissions

Preparation of the substrate :

- The application surfaces should be strong, sound, stable, clean, dry, grease and dust-free.
- Both sides can be taped in order to obtain a smooth filling.
- When necessary, the closed cartridges can be heated in a water vessel up to +10°C and +20°C.
- In coated floor applications (for example, hydrophobic facades), a pre-control is needed for the compatibility.
- Especially in acrylic coating materials, some adhesion loss may occur due to the softening material.

Application :

- The tip of the cartridge is cut and a plastic cap is fixed prior to use.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- The cartridge is attached to the gun after the metal lid at the bottom is removed.
- The joints should be filled at one time and without gaps during the application.
- The package of the sausage is cut from one edge and fixed to the suitable gun.
- The cap nut is screwed to the cylinder of the gun afterwards.
- After the joints are filled with **KATRET PU Bond**, the surface is smoothened with a spatula or a wet sponge immediately.
- The adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.
- The application is recommended at between -10°C and +40°C.
- Do not apply outdoors in rainy weather.

Cleaning after application :

- The contaminated areas and used tools should be cleaned with white spirit or alcohol within 10 minutes.
- It is cleaned only mechanically after cured.

Coverage :

The used amount varies according to joint sizes.

Width of joints (mm)	Depth of joints (mm)	Length of joints (m) 280 ml cartridges	Length of joints (m) 600 ml sausages
10	8	~4	~8
15	8	~2,5	~5
20	10	~1,2	~2,5
25	12	~0,8	~1,6
30	15	~0,6	~1,3

Packaging :

In 600 ml sausages (20 pcs in a carton box)

Storage :

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Health and Safety Information :

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.