



WATER SWELLABLE PASTE

TECHNICAL DATA SHEET (TDS)

BeSealed® water swellable paste is a high quality, one component polyurethane adhesive which swells in contact with water. Upon contact with water, the paste can expand up to 450% of its original volume. Can be applied both for Polybar+ and Bentobar+.

CHEMICAL BASE

- High quality, water swellable one component polyurethane adhesive

TECHNICAL DATA

Base	Polyurethane
Colour	Champagne
Curing system	Moisture cure
Application temperature	+1°C to +30°C
Skin formation*	120 minutes
Curing rate*	1.8mm / 24h
Hardness	15 ShA
Shrinkage	Max. 4%
Density	1.37 g/ml
Temperature resistance	-30°C to +90°C
E-modulus in film (DIN 53504)	0.34 N/mm ²
Tear strength in film (DIN 53504)	ca. 0.60 N/mm ²
Elongation at break in film (DIN 53504)	> 800%
E-modulus in joint (ISO 839)	ca. 0.12 N/mm ²
Tear strength in joint (ISO 839)	ca. 0.20 N/mm ²
Elongation at break in joint (ISO 839)	> 250%

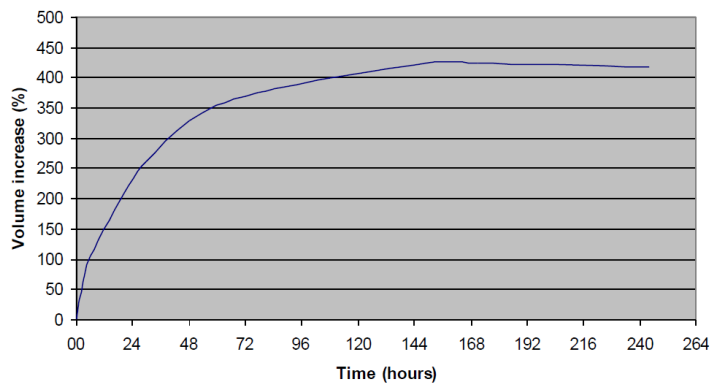
* values may vary depending on environmental factors such as temperature, moisture and type of substrate

APPLICATION GUIDELINES

- No primer is required when applying BeSealed® swellable paste on a clean concrete surface.
- For optimal adhesion, a stable, clean, dust, oil and fat-free surface is recommended. If required, cleaning with acetone or isopropanol is recommended.
- Optimal fixation is achieved when the full contact area of the water swellable sealing bar is covered with paste.
- After application of the paste, the water swellable sealing bar needs to be pressed down, to ensure full contact with the paste underneath and to achieve optimal adhesion.

SWELLING CHARACTERISTICS

- Adhesive bead extruded, fully immersed in water at 23°C.



STORAGE CONDITIONS

- Maximum 9 months storage from production date in its original unopened carton.
- Storage is recommended in a dry and cool area with temperatures between +5°C and +25°C.

PACKAGING

Cartridge	Cartridges/Box	Boxes/Pallet
310 ml	12	120

SAFETY AND ENVIRONMENT

- Apply the usual industrial hygiene. Important information about work and environmental security can be found in the SDS.