

ADHESIVE

TECHNICAL DATA SHEET (TDS)

Description

Hydroswell Adhesive ensures fast and strong fixation of water swellable sealing bars to substrate/steel. The fast skin formation and curing allows concrete casting after a few hours. Moreover, Hydroswell Adhesive has excellent adhesion and strength even on wet concrete surfaces.

Technical Data

Colour	Grey
Processing temperature with 50% RH	+5 up to +40°C
Volume change (DIN 52451)	Approx. 6%
Consistency	Very thixotropic
Density at 23°C	1.40 +/- 0.05 g/cm ³
Skin formation time at 23°C / 50% RH	Approx. 5 minutes
Curing rate (24hours at 23°C / 50% RH)	Approx. 3.5 mm
Temperature stability after curing	-40°C up to + 90°C (200°C for short time) 50 +/- 2
Hardness (ShA), DIN 53505, after 3 weeks storage at 23°C / 50% RH Elongation modulus at 100% (DIN 53504 S2)	Approx. 1.6 N/mm ²
Tensile strength (DIN 53504 S2)	Approx. 3.0 N/mm ²
Elongation at break (DIN 53504)	Approx. 300%

Chemical Base

Durable elastic one-component adhesive based on MS hybrid polymer

Chemical Resistance

- Good: against water, aliphatic solvents, oils, fat, watered inorganic acids and alkalis
- Moderate: against esters, ketone and aromatics.
- Not resistant: against concentrated acids and chlorinated hydrocarbons.
- Completely weather resistant

Application Guidelines

- No primer is required when applying Hydroswell Adhesive on a clean 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 glue.
- After gluing, the water swellable sealing bar needs to be pressed down, to ensure full contact with the glue underneath and achieve optimal adhesion.

Storage Conditions

- Maximum 18 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

290ml per cartridge
12 cartridges per box
96 boxes per pallet

Safety

Non-dangerous goods. Not subject to classification given current GHS regulations. Important information about work and environmental security can be found in the MSDS.

The safety datasheet of Hydroswell Sealant is available on request at info@smrxypex.co.uk