

# SEALANT

## TECHNICAL DATA SHEET (TDS)

### Description

Hydroswell Sealant is a high quality, single component polyurethane mastic which swells in contact with water. Upon contact with water, the paste can expand up to 450% of its original volume.

### Chemical Base

High quality, water swellable, single component polyurethane sealant.

### Application Guidelines

- No primer is required when applying Hydroswell Sealant on a clean concrete surface.
- For optimal adhesion, a stable, clean, dust, oil and fat-free surface is required. If necessary, cleaning with acetone or isopropanol is recommended.

When used in combination with Hydroswell Bentostrip

- Ensure entire area (void) between substrate and Hydroswell Bentostrip is filled.

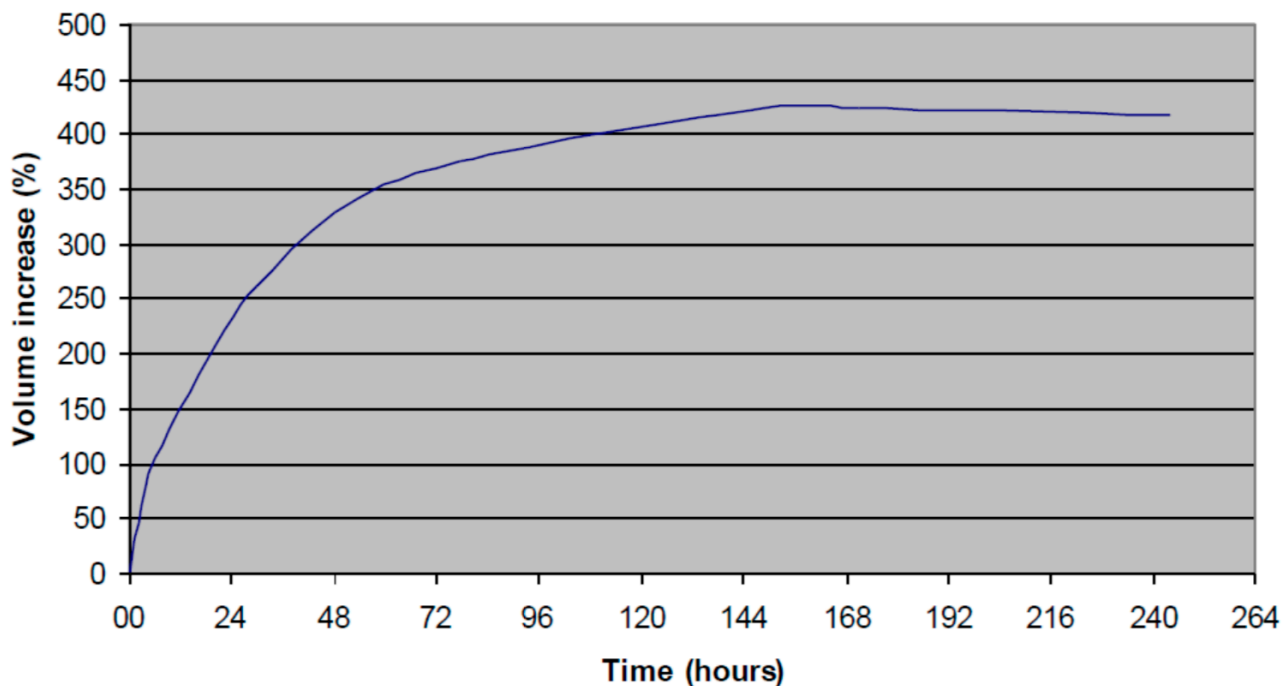
### Technical Data

Base	Polyurethane
Colour	White
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 <sup>2</sup>
Tear strength in film (DIN 53504)	ca. 0.60 N/mm <sup>2</sup>
Elongation at break in film (DIN 53504)	> 800%
E-modulus in joint (ISO 839)	ca. 0.12 N/mm <sup>2</sup>
Tear strength in joint (ISO 839)	ca. 0.20 N/mm <sup>2</sup>
Elongation at break in joint (ISO 839)	> 250%

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

### Swelling Characteristics

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



### **Storage Conditions**

- Maximum 12 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**

310ml per cartridge  
12 cartridges per box

### **Safety**

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

The safety datasheet of Hydroswell Sealant is available on request at [info@smrxypex.co.uk](mailto:info@smrxypex.co.uk)