

TECHNICAL DATA SHEET - HYDRA SWELLING PASTE SX® 100

PROPERTIES

HyDra Swelling Paste SX® 100 is a high-quality, firm, rapid hardening, swellable, single-component adhesive and sealing compound with a polymer base. The especial composition of HyDra Swelling Paste SX® 100 makes the paste start to swell when getting in contact with water (swell percentage appr. 150%). The sealant has a high elasticity and high adherence. Once HyDra Swelling Paste SX® 100 is installed it develops an adhesive tensile strength instantly. HyDra Swelling Paste SX® 100 is particularly well-suited to bonding hydrophilic water bars to concrete and steel and as well as a sealant for construction joints.

The first swelling is time delayed which makes HyDra Swelling Paste SX® 100 applicable regardless of weather conditions.



APPLICATION

HyDra swelling paste SX® 100 is mainly used to fix hydrophilic water bars in construction joints. By applying the paste, any unevenness on the surface of application is levelled, assuring a flush contact between the concrete base and the hydrophilic water bar. Its cohesive properties are just as good on slightly damp surfaces as on dry ones.

In addition to this, HyDra Swelling Paste SX® 100 can be used for bonding patches to Polyfleece SX® 1000 as well as for sealing cable and pipe conduits.

HyDra Swelling Paste SX® 100 can be applied out of the cartridge as a construction joint sealant without using a swelling tape by simply installing the paste directly on the joint of the first concrete section in the desired quantity.

TECHNICAL DATA

Colour	White
Environmental compatibility	Free of solvents and isocyanates, free of PVC, phthalat, silicone, neutral smell - Se SDS
Density	1,4 g/cm ³
Shore hardness (Shore A)	Shore A 30
E-modulus	0,7 N/mm ²
Tensile strength	1,2 N/mm ²
Elasticity when breaking	300 %
Resistance to temperature (after curing):	- 40°C til + 100°C
Skin formation	After ca. 10 min.
Curing in 24 h	Appr. 1,5 mm

CE-MARK

HyDra Swelling Paste SX® 100 is not subject to a harmonized standard and must therefore not be CE marked according to the Construction Product Regulation no. 305/2011.

PACKAGING AND STORAGE

Delivered in cartridge of 290 ml., 12 cartridges/carton.

HyDra Swelling Paste SX® 100 can be stored in the original unopened packing for at least 6 months at temperatures between +5° C and +25° C.

INSTALLATION

Polymer swelling paste SX® 100 is directly applied to the surface with a spatula or with a cartridge gun. The surface must be firm, sustainable, clean and free of dust or loose particles. Opened containers should be used as quickly as possible.

Storing and working with Polymer swelling paste SX® 100 is trouble free; it's neither combustible nor toxic.

The working temperature for Polymer swelling paste SX® 100 is from +5°C to +40°C (+1°C/+30°C construction device).