

ONE-COMPONENT POLYURETHANE INJECTION RESIN

CHARACTERISTIC

One-component, closed-cell, hydrophobic, water-reactive, phthalate-free, low-viscosity polyurethane injection resin for water stabilization and containment of large to small water leaks. When in contact with water, SPETEC® STOP H50 expands and hardens as a permanent water seal inside a crack or joint. SPETEC® STOP H50 is ideal for sealing hairline cracks and cracks from 0.2 mm. Thanks to its ultra-low viscosity and adjustable reaction time, SPETEC® STOP H50 is perfectly suited for seepage of fine cracks and fissures in thick to very thick concrete walls and floors. The cured product is semi-solid.

PROPERTIES

- One-component hydrophobic PU resin
- Different reaction times are possible by adjusting the percentage of SPETEC® Gen Acc (accelerator)
- Very low viscosity
- Polymers at the presence of the water or moisture
- Cured polyurethane exhibits high strength and good chemical resistance
- The closed-cell structure of hardened polyurethane ensures permanent sealing of cracks and joints
- Cured polyurethane is harmless for the environment and resistant to biological attack.
- Resistant to microorganisms

USE

Before use, shake the SPETEC® Gen Acc accelerator thoroughly and add the required amount (4 - 10%) to the SPETEC® STOP H50 resin. Different reaction times can be achieved by adjusting the PU Accelerator percentage.

For masonry grouting, we recommend using min. recommended amount of accelerator – 4%.

Mix the PU Accelerator homogeneously into the resin and protect against moisture and rain. This will prevent an unwanted premature reaction. After mixing the resin and accelerator, apply the grout as soon as possible. Prepare only the amount of product that can be processed in one day. It is applied to building structures using special injection devices (pumps, hoses, packers, etc.). Before injecting, the pump must be flushed with Solvant 2000. If the substance gets on your skin, wash it immediately with soapy water.

TECHNICAL DATA

Color:	Brown
Type:	single component
Density:	± 1.18 kg/dm ³ (EN ISO 2811-1)
Viscosity:	± 58 mPa.s (Brookfield SP3 - 200 rpm) at 25°C
Response time:	28 - 440s (depending on the amount of water, accelerator and temperature and air pressure - see table)
Coefficient of expansion:	15-23 x (according to the amount of water, accelerator and temperature and air pressure - see table)
Durability:	24 months (unopened canister)
Storage:	between 5 and 30 °C, protect from frost, moisture and UV radiation
Temperature of use:	min. + 5 °C
Packaging:	Metal canisters of 20 kg each
Preventive safety measures:	see safety data sheet



PU H50

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REACTION TIME

H100 ACC	5°C			15°C			25°C		
	Start	End		Start	End		Start	End	
4	60"	120"	17x	50"	120"	20x	25"	80"	15x
6	25"	70"	17x	15"	65"	18x	10"	55"	18x
10	15"	50"	20x	12"	45"	20x	8"	30"	23x

PACKAGING AND STORAGE

PU H50 is packaged in 20 kg metal cans.

PU ACC is packaged in 2 kg plastic bottles.

PU H50 is moisture sensitive and should be stored in a dry area at the temperature between 5°C and 30°C.

SAFETY INSTRUCTIONS

Read the technical and safety data sheets prior to commencement of the injection works. Avoid contact with eyes and skin, always use personal protective equipment in compliance with local regulations. Read the relevant safety data sheets before use.

IMPORTANT

The producer guarantees the same quality of the product at the sale in the enclosed original packing. The conditions of use must be observed. The factors varying from the norm, as are for example the climatic conditions, substrate kind and condition, the use procedure, non-recommended mixtures and other factors that could restrict the effect. The producer doesn't accept any liabilities of this kind