

PU F400

ONE-COMPONENT POLYURETHANE INJEKTION RESIN

CHARACTERISTIC

PU F400 is a high-quality one-component polyurethane injection resin designed to stop water leaks, leaks in working and expansion joints in concrete structures and underground structures (tunnels, underpasses). Free of solvents and phthalates. Thanks to its very low viscosity, it is able to easily reach even more distant cracks and fissures in the concrete structure. It prevents water leakage in concrete, masonry and sewers, where movement can occur, and also creates curtain grouting in tunnels, concrete, masonry in sewer walls.

PROPERTIES

- One-component hydrophobic PU resin
- Closed cells
- Flexible
- Polymerization in the presence of water or moisture
- The cured polyurethane is flexible, does not shrink and has good chemical resistance
- Very low viscosity
- Watertight
- Foaming factor 8 - 11 x
- Cured polyurethane is harmless to the environment and resistant to biological attacks
- Free of solvents and phthalates
- Needs PU Accelerator to react (2-10%)

APPLICATION

Shake the PU Accelerator well before use and pour the required amount (2 to 10%) into the PU H100 resin. Different reaction times can be achieved by adjusting the percentage of PU Accelerator. Mix PU Accelerator homogeneously into the resin and protect against moisture and rain. This will prevent an unwanted premature reaction. After mixing the resin with the accelerator, apply the injection mixture as soon as possible, no later than 3 days. It is applied to building structures using special injection equipment (pumps, hoses, packers, etc.). Before injection, the pump has to be flushed with Solvant 2000. If the substance gets on your skin, wash it immediately with soapy water.

TECHNICAL DATA

Colour:	White
Type:	One-component
Density:	± 1,05 kg / dm ³ (EN ISO 2811-1)
Viscosity:	± 75 mPa.s (Brookfield SP3 - 200 rpm)
Reaction time:	30 - 235s (according to the amount of water, accelerator and air temperature and pressure - see chart)
Coefficient of expansion:	8 - 11x (according to the amount of water, accelerator and air temperature and pressure - see chart)
Durability:	24 months (non-opened canister)
Storage:	between 5 - 30 °C, keep for frost, humidity and UV radiation
Temperature of use:	min. + 5 °C
Packaging:	Metal canister of 20 kg
Preventive safety measures:	See safety data sheet

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REACTION TIME

PU Accelerator	5°C			15°C			25°C		
	Begin	End (foaming)		Begin	End (foaming)		Begin	End (foaming)	
2	110s	265s	8x	70s	215s	8x	45s	145s	8x
6	45s	115s	10x	31s	81s	10x	25s	58s	10x
10	35s	80s	11x	21s	60s	11x	15s	40s	11x

IMPORTANT

The manufacturer guarantees the constant quality of the product when sold in closed original packaging. The conditions of use have to be observed. Factors other than the standard, such as climatic conditions, type and condition of the substrate, application procedure, non-recommended mixtures and other factors, may limit the effect. The manufacturer does not accept any risks of this kind.