

Flexible water sealing two component polyurethane injection resin

PRODUCT

weberdry 600 i is a two components flexible polyurethane injection resin with very low viscosity.

weberdry 600 i reacts in wet or dry cracks and joints.

When **weberdry 600 i** comes in contact with water the material will react and expand. In absence of water, will react into a flexible seal.

PROPERTIES

Water sealing of cracks and joints in walls, floors, concrete constructions, sewers,... Can be used both for dry and wet cracks. **weberdry 600 i** does not need water in order to react. The 2 components react with each other. Important property of this material is its excellent adhesion to concrete and metal and this without the use of a primer. The curing process of **weberdry 600 i** does not cause any shrinkage. This completely cured 2-components PU resin does not dry out and is not corrosive for metals. In order to obtain optimal water sealing properties of concrete constructions the **weberdry 600 i** is sometimes combined with other PU water reactive foams (for example **weberdry 600 i**) to create a flexible PU foam.



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
10.5 Kg	10.5 Kg	10.5 Kg	10.5 Kg	10.5 Kg	10.5 Kg	10.5 Kg	10.5 Kg
25.5 Kg	25.5 Kg	25.5 Kg	25.5 Kg	25.5 Kg	25.5 Kg	25.5 Kg	25.5 Kg
Component A: 5 kg Component B: 5.5 kg				Component A: 12kg Component B: 13.5 kg			

CHARACTERISTICS

A-component	
Appearance	colorless liquid
Viscosity (20°C)	78 mPas
Density	1.009 g/ml
B-component	
Appearance	dark brown liquid
Viscosity (20°C)	76 mPas
Density	1.136 g/ml
Mixture	
Appearance	brown liquid
Viscosity (20°C)	78 mPas
Density	1.076 g/ml
Evaluation of the reactivity at 20 °C	time needed for a mixture of 470.6 g A and 529.4 g of B to rise in temperature from 20°C to 40°C: 13 minutes
Pumpable time	150 minutes at 12°C, 90 minutes at 25 °C
Time after which the mixture is not liquid anymore	10 hours at 12 °C, 6 hours at 25 °C
Time after which the mixture is completely cured	7 days at 12°C, 5 days at 25°C
Mixing ratio (weight)	1.2 kg A / 1.35 kg B
Shore A (after 5 days at 25°C)	72
Watertightness under pressure (EN 14068)	waterproof at 2 × 10 Pa
Compatibility with concrete (EN 12637I-1)	pass (compatible with concrete)
Modulus of elasticity (EN ISO 527, after 5 days at 25°C)	6.6 MPa
Tensile strength (EN ISO 527, after 5 days at 25°C)	> 3 N/mm²
Elongation at break (EN ISO 527, after 5 days at 25°C)	128 %

CHARACTERISTICS

Injectability into a dry sand column (EN 1771, 0.1 mm – 0.3 mm)	easy to inject
Injectability into a wet sand column (EN 1771, 0.1 mm – 0.3 mm)	easy to inject
Adhesion and elongation at 3 °C (EN 12618-1):	
Adhesion to dry concrete	1.30 N/mm ²
Adhesion to wet concrete	0.63 N/mm ²
Adhesion to a sandblasted metal plate	3.59 N/mm ²
Elongation at 3 °C	117%
Glass transition temperature (EN 12614)	-35.2°C
Corrosion behavior	Deemed to have no corrosive effect
Dangerous substances	comply with 5.4
Workability	Moisture state of the crack: dry, damp, moist

APPLICABLE STANDARDS

weberdry 600i complies with: BS 6920 effect on water quality.

SCOPE OF USE

- Injection in wet and dry structures
- Injection of very fine cracks
- Elastic water sealing of cracks and joints in walls, floors and concrete constructions
- Injection of injection hoses

PRODUCT PREPARATION

Mix comp. A and comp. B in the correct ratio (1/1 volume or 1.2/1.35 weight). Inject this mixture through a pump within the pumpable time or work with a two-component pump (volumetric ratio of 1:1).

CLEANING

Clean pump and equipment with cleaner every time there is a stop of more than 15 minutes or whenever necessary and at the end of the injection. Flush with an extra ¼ liter of cleaner.

STORAGE

12 months after production date in the original, unopened and undamaged packaging has to be stored in a dry place between + 10°C and + 30°C. Once the packaging has been opened, the time to use the product reduces fast, so it has to be applied as fast as possible.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into

contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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