

Foam forming water sealing injection resin

PRODUCT

weberdry 610 i is a low viscosity MDI-based water reactive polyurethane injection, composed of a resin component and a catalyst. **weberdry 610 i** reacts with water to form a rigid hydrophobic seal.

PROPERTIES

- **weberdry 610 i** forms a hard sealing with high strength in the crack or joint.
- Is a fast reacting rigid PU foam, used as a waterstop for the sealing of leakages or to stop active water leaks with a high flow and/or high hydrostatic pressure.
- Penetrates deep in fine cracks.
- Reacts with water and forms carbon dioxide gas. This gas produces a swelling pressure and the resin expands to foam, sealing all water penetration.
- Free expansion: min. 1700% - 2200%.
- Does not shrink after curing.
- Excellent adhesion to mineral construction materials (such as concrete, cement, brick), metal and certain plastics, ...
- The reaction speed can be controlled by varying the amount of catalyst.
- The **weberdry 610 i** foam is chemically resistant against water, weak acids and alkali, mineral oils, fungus and bacteria, ground water, sea water and petroleum products.

SCOPE OF USE

Water sealing of cracks and big gaps in walls, floors, concrete constructions,... which are not liable to settings and movements.

Is a fast reacting rigid PU foam, used as a waterstop for the sealing of leakages and water penetration.

CHARACTERISTICS

Color	Dark Brown
Free expansion	1700% - 2200%
Density	
Resin	1,10 - 1,20 kg/l
Catalyst	≈ 0.923 Kg/l
Viscosity at 25°C	
Resin	111 mPas
Catalyst	36 mPas

PRODUCT PREPARATION

weberdry 610i complies with: BS 6920 effect on water quality.



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
10.92 Kg	10.92 Kg	10.92 Kg	10.92 Kg	10.92 Kg	10.92 Kg	10.92 Kg	10.92 Kg
273 Kg	273 Kg	273 Kg	273 Kg	273 Kg	273 Kg	273 Kg	273 Kg
Resin: 25 kg pail Catalyst: 2,5 l (2,3 kg)				Resin: 10 kg pail Catalyst: 0.92 kg			

REACTION TIME

Reaction time: 65 g resin + catalyst + 20 g water

Temperature	% Catalyst	Start reaction	End reaction
10°C	2%	55"	4'18"
	6%	26"	1'38"
	9%	20"	1'10"
15°C	2%	46"	4'06"
	6%	21"	1'34"
	9%	18"	1'15"
20°C	2%	44"	3'30"
	6%	19"	1'17"
	9%	13"	54"
25°C	2%	38"	3'15"
	6%	18"	1'16"
	9%	12"	51"
30°C	2%	26"	3'10"
	6%	16"	1'06"
	9%	9"	52"
35°C	2%	22"	3'05"
	6%	13"	1'00"
	9%	7"	48"
40°C	2%	20"	2'51"
	6%	12"	54"
	9%	5"	42"

PRODUCT PREPARATION

Add **weberdry 610 i** catalyst and mix thoroughly. Inject the mixture with a single component pump (manual, electric, pneumatic) in the crack. Because of the low viscosity the resin will penetrate deep into the cracks. **weberdry 610 i** polymerises into a rigid hydrophobic foam. The injection process is carried out using injection bore packers.

CLEANING

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

STORAGE

12 months after production date in original unopened and undamaged packaging, stored in a dry place with temperatures between 10 °C and 30 °C. Once the packaging is opened, the shelf life of the product diminished quickly and the product should be consumed as soon 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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