TECHNICAL DATA SHEET -
01.11.2018

EUROSEAL FLEX

FAST FOAMING POLYURETHANE RESIN

Product Properties:

EUROSEAL FLEX is a dual-component injection polyurethane resin ideally suited for cutting off water in wet dynamic cracks and scratches. In reaction with water, it provides a very flexible polyurethane foam. The resin can be applied using a single-component injection pump.

Product Use:

- for sealing leaking scratches in masonry or concrete elements with the use of pressure injection.

Mixing:

Mix the catalyst before mixing the products. Mix the resin with the catalyst using a slow speed mixer until a homogeneous mass is obtained (no streaks). The mixture should be in a ratio of 6% to 10% depending on the desired reaction speed.

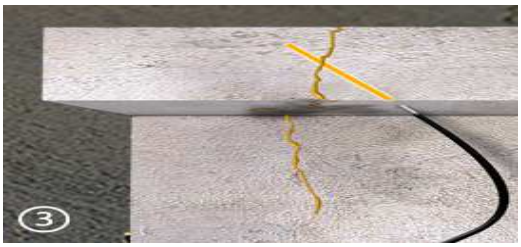
Application:

Sealing scratches:

The rate of reaction can easily be adjusted by changing the content of the accelerator or catalyst from 6% to 10%. The more catalyst is added, the faster the reaction will take place.

Reaction with water creates an elastic polyurethane foam with closed cells.

EUROSEAL FLEX resin should be pressed into the injection holes using a single-component injection pump. Scratches before injection should be filled using a quick setting mortar. Along the scratches, drill the holes alternately at intervals of 10-15 cm. Then fasten the injectors and press on the resin. It is best to do it gradually from bottom to top. The diameter of the holes should be adapted to the packers used. After the injection, the scratches should be permanently sealed using EUROSEAL ECO polyurethane resin. Further injection can be carried out by the same packers within a maximum of 15 minutes from the previous injection. After removing the packers, the holes should be closed using a quick-setting mortar.



Final steps:

The final product, injected under pressure, does not shrink or swell. Good compressive strength is obtained in a very short time. Expansion is up to 800%.

The tools should be cleaned immediately after work with a suitable solvent. Other cross-linked material residues on the tools can be removed mechanically (immediately after finishing work). The pump should be cleaned in accordance with the device's operating instructions.

www.euroseal.pl

Manufacturer: Aprovis Construction Chemicals Polska, 03-046 Warszawa, ul. Kaczorowa 37.E-mail.office@euroseal-group.com.pl

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Technical Data:						
Parameters of unhardened polyurethane foam				Physical parameters of the catalyst		
Property	**Value**	**Standard**		**Property**	**Value**	**Standard**
Density	1,08 g/cm^3	EN ISO 2811-2:2002		Density	0,913 g/cm^3	EN ISO 2811-2:2002
Viscosity	403 mPa.s	EN ISO 3219:1994		Viscosity	7,4 mPa.s	EN ISO 3219:1994
Flash point	•150^{0}C			Flash point	•150^{0}C	
Colour	yellow			Colour	transparent	
Made in EU Aprovis Construction Chemicals						

Reaction time:
At a temperature of + 20C, it is about 2 hours
Adjustable
Hardening after approx. 24 hours.

Catalyst amount %	Reaction (sec)	Polymerization (sec)
6	30	115
8	25	90
10	20	75
Test at 20^{0}C		

Storage:
Temperature between + 10C and + 30C
Protect against moisture
Shelf life 12 months.
The material is sensitive to moisture and temperature.
The used containers should be protected against
the ingress of moisture from the air.

Safety:
When working with the EURESEAL FLEX product, comply with the provisions contained in the safety data sheet. Observe the standard hygiene rules such as washing hands before eating and no smoking. Hands can be washed, for example, with soap and water. Avoid inhaling vapors and prolonged contact with skin or wound.

Consumption:
This depends on the properties of the soil and the absorbency of the material in which the injection is made.
Approximate consumption 0.1 kg / l of loss

Components A and B 10 kg and 1 liter of catalyst
Palette 750 kg (resin) and 75 liters (catalyst)

Injection packers

Packages:
Components A and B 25 kg and 2,5 liters of catalyst
Palette 600 kg (resin) and 60 liters (catalyst)

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