

## AQUAFIN®-P1

## Product Data Sheet

PU injection resin for temporary crack-bridging, foaming



Material number	Contents	Unit of quantity	Packaging	Colour
205220001	1	KG	Canister	dark brown
205220002	5	KG	Canister	dark brown
205220003	10	KG	Canister	dark brown

### Product features

- Highly reactive polyurethane resin •
- Ready to use
- Rapid foaming

### Advantages

- Very high foam volume when water is added •
- Rapid, tough-elastic and firm foam formation

### Fields of application / waterproofing

- For temporary crack sealing •
- For water-conducting cracks

# AQUAFIN®-P1

## Technical Data

### Material properties

Product components	Ready to use
Base material	Polyurethane (moisture curing)
Consistency	Liquid
Density (spec. weight)	approx. 1.15 g/cm <sup>3</sup>
Dynamic viscosity (25 °C)	approx. 425 mPa*s
Reaction time (start time at +5 °C)	approx. 27 seconds
Reaction time (start time at +15 °C)	approx. 24 seconds
Reaction time (start time at +25 °C)	approx. 20 seconds
Foaming end at +5 °C	approx. 4 minutes 20 Sekunden
Foaming end at +15 °C	approx. 2 minutes 50 Sekunden
Foaming end at +25 °C	approx. 2 minutes 0 Sekunden

### Application

Substrate temperature	from 5 °C to 30 °C
Consumption per litre - voids	approx. 1.2 kg/l
Application temperature	from 10 °C to 30 °C

## Application technology

### Aids/tools

- Hand lever press •
- Foot lever press
- Suitable injection equipment •
- Injection packer
- Mechanical grouting system (piston pump) •
- Mechanical grouting system (airless)

### Machine application

AQUAFIN®-P1 can be mechanically applied. For precise information, see the additional Technical Information No. 43.

## Substrate preparation

### Substrate quality class

	Beton	Estrich	Putz
Güte	mind. C20/25	mind. CT-C35-F5 gemäß DIN EN 13813	P III
Haftzugfestigkeiten	≥ 1,5 N/mm <sup>2</sup>	≥ 1,5 N/mm <sup>2</sup>	ca. 0,8 N/mm <sup>2</sup>
Alter	mind. 28Tage		

## Usage

### Application

1. Drill holes into existing cracks (crack width approx. 0.2 mm) at a distance of approx. 20 cm.
2. Clear any drilling debris in the drilled holes using oil-free compressed air.
3. Insert the injection packer.
4. Seal the injected packer and crack zone on the surface approx. 15 cm wide with ASODUR-EKF.
5. Store the material at +15 °C for 12 hours before use.
6. Press in the AQUAFIN-P1 with the appropriate grouting device.
7. After the resin has cured, remove the injection packer and plug the boreholes flush with the surface using ASOCRET-M30.
8. For permanent crack sealing use AQUAFIN-P4 in accordance with the Technical Data Sheet.

## AQUAFIN<sup>®</sup>-P1

### Cleaning tools

Immediately after use, clean tools and equipment meticulously with ASO-R001. The injection system must be cleaned at the end of work or in case of a longer interruption to work. No material residues shall be allowed to dry and stick in the equipment. The cleaning agent or solvent to be used must have a flash point above +21 °C. Please observe the specifications of the respective machine manufacturer.

### Storage conditions

#### Storage

Store in a frost-free, cool and dry place. At min. 15 - 25 °C for 12 months in the original canister. Promptly use opened canister.

### Disposal

Hardened product leftovers can be disposed of in accordance with disposal code AVV 15 01 06.

### Notes

- Protect surfaces that are not to be treated from the effects of AQUAFIN<sup>®</sup>-P1!
- The reaction times, foam quantity and foam properties depend on the amount of water, surface of the crack flanks or stone, their distribution in the AQUAFIN<sup>®</sup>-P1, pressure and other factors.
- AQUAFIN<sup>®</sup>-P1 reacts with humidity and with water. For this reason, a skin forms when the container is open, which does not hinder the pressing.
- If there is not enough water in the area to be sealed, the reaction and curing of the AQUAFIN<sup>®</sup>-P1 can be supported by pre- and post- injection with water.

GISCODE: PU40

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