

AQUAFIN®-P1

PU injection resin for temporary crack-bridging, foaming



Material number	Package type	Colour	Units / pallet	Pc/package
205220004	2,5 kg, can	dark brown	220,000	1,000
205220005	5 kg, can	dark brown	168,000	1,000
205220006	10 kg, can	dark brown	75,000	1,000

Fields of application / waterproofing

- For temporary crack sealing
- For water-conducting cracks

Product features

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

Advantages

- Very high foam volume when water is added (up to 40x volume increase)
- Rapid, tough-elastic and firm foam formation

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 ³
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
Volume expansion	approx. x40

Application

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

Processing equipment

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.

Preparing the substrate

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 ²	≥ 1,5 N/mm ²	ca. 0,8 N/mm ²
Alter	mind. 28Tage		

Application

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.

Cleaning tools

Clean tools immediately after use with suitable solvent. 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.

AQUAFIN[®]-P1

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 container.

Notes

- Protect surfaces that are not to be treated from the effects of AQUAFIN[®]-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[®]-P1, pressure and other factors.
- AQUAFIN[®]-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[®]-P1 can be supported by pre- and post-injection with water.

Observe applicable safety data sheet!

The rights of the buyer with regard to the quality of our materials are based on our terms and conditions of sale and delivery. Our technical advice team will be happy to advise you in the case of requirements that exceed the scope of the application described here. In order to be binding, a legally binding written confirmation is required. The product description does not release the user from a duty of care. Lay a test area in the event of uncertainty. This version becomes invalid in the event of a new version being issued.