

AQUAFIN®-P4

PU injection resin for crack-bridging



Material number	Contents	Unit of quantity	Packaging	Colour
205221001	2,2	KG	Set	Honey yellow
205221002	11	KG	Set	Honey yellow

Product features

- Polyurethane resin
- Two component

Advantages

- Low viscosity
- Cures to soft elastic
- Excellent adhesion
- High tear resistance

Fields of application / waterproofing

- For crack sealing
- For water penetration
- On dry and damp substrates
- System component of AQUAFIN®-CJ1

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Technical Data

Material properties

Product components	2 component system
Base material	polyurethane resin
Consistency	Liquid
Density (spec. weight)	approx. 1.1 kg/dm ³

Mixing

Mix ratio, component A	1 weight proportion
Mix ratio, component B	1 weight proportion
Mixing time	approx. 3 minutes

Application

Substrate temperature	from 5 °C to 30 °C
Pot life	approx. 30 minutes
Consumption per litre - voids	approx. 1.1 kg/l
Application temperature	from 10 °C to 30 °C

Application technology

Aids/tools

- Stirrer (approx. 300 rpm)
- Hand lever press
- Foot lever press
- Suitable injection equipment
- Injection packer
- Mechanical grouting system (piston pump)
- Mechanical grouting system (airless)

Machine application

AQUAFIN[®]-P4 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	mind. P IIIa/P IIIb
Haftzugfestigkeiten	≥ 1,5 N/mm ²	≥ 1,5 N/mm ²	ca. 0,8 N/mm ²
Alter	mind. 28 Tage		

Usage

Mixing

1. Store the material at +15 °C for 12 hours before use.
2. Add the hardener to the resin.
3. The hardener must run completely out of the container.
4. Mix thoroughly with the mixer until a homogeneous consistency.
5. Mixing time approx. 3 minutes.
6. Decant the mass into a clean bucket.
7. Stir meticulously again.

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Application

1. Clear any drilling debris in the drilled holes using oil-free compressed air.
2. Insert the injection packer.
3. Seal the injected packer and crack zone on the surface approx. 1.5 cm wide with ASODUR-EKF.
4. After the crack insulation has cured, grout in the thoroughly mixed AQUAFIN-P4 using a grouting device.
5. After the resin has cured, remove the injection packer and plug the boreholes flush with the surface using ASOCRET-M30.

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 AW 15 01 06.

Notes

- Protect surfaces that are not to be treated from the effects of AQUAFIN[®]-P4!
- In the event of water-conducting cracks, an initial injection of AQUAFIN[®]-P1 is necessary to stop the ingress of water.
- Higher temperatures shorten the pot life. Lower temperatures increase the application and hardening times. The rate at which material is consumed also increases at lower temperatures.

Observe applicable safety data sheet!

GISCODE: PU40

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