

AQUAFIN®-P4

PU injection resin for crack-bridging



Material number	Package type	Colour	Units / pallet	Pc/package
205221003	5.2 kg, set	Honey yellow	240,000	1,000
	A-component: 2.5 kg, can		220,000	4,000
	B-component: 2.7 kg, can		220,000	4,000
205221004	10.4 kg, set	Honey yellow	80,000	1,000
			84,000	1,000
	B-component: 5.4 kg, can		84,000	1,000

Fields of application / waterproofing

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

Product features

- Polyurethane resin
- Two component

Advantages

- Low viscosity
- Cures to soft elastic
- Excellent adhesion

AQUAFIN®-P4

Technical Data

Material properties

Product components	2 component system
Base material	polyurethane resin
Consistency	Liquid
Density (spec. weight)	approx. 1.1 kg/dm ³
Dynamic viscosity (20 °C)	approx. 125 mPa*s
Shore-A hardness (ISO 868)	approx. 47 (after 21 hours) at 25 °C

Mixing

Mix ratio, component A	1 Volume share
Mix ratio, component B	1 Volume share
Mixing time	approx. 3 minutes

Application

Substrate temperature	approx. 5 - 30 °C
Pot life	approx. 30 minutes
Final curing (20 °C)	approx. 5 hours
Consumption per litre - voids	approx. 1.1 kg/l
Application temperature	approx. 10 - 30 °C

Processing equipment

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.

Preparing the substrate

Substrate quality class

	Concrete	Screed	Plaster
Quality	min. C20/25	min. CT-C35-F5	min. P IIIa/P IIIb
Tensile adhesion strength	≥ 1,5 N/mm ²	≥ 1,5 N/mm ²	≥ 0,8 N/mm ²
Age	min. 28 days		

Application

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 is achieved.
5. Mixing time approx. 3 minutes.
6. Decant the mass into a clean bucket.
7. Stir carefully again.

AQUAFIN®-P4

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. 15 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

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.

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®-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!

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