

Product Data Sheet

Barrikade EP-Betonginjisering

Barrikade®

Product description:

Barrikade EP-Betonginjisering is a two component, solvent-free epoxy injection system.

Application areas:

Barrikade EP-Betonginjisering can be used for repairing concrete/ concrete constructions, where the goal is to retrieve the strength (monolithic constructions), seal or protect against corrosion:

- cracks/crack formations in concrete/ concrete constructions
- cracks due to shrinkage in plaster floor (screeds)
- breakage in pre-fabricated concrete elements
- sealing of leakage/ water ingress in concrete/ concrete constructions (tunnels, dams, pools etc.)

Properties:

Barrikade EP-Betonginjisering is a very low viscous liquid and has good penetration properties even in very thin cracks. The concrete is "welded"/ glued together, and the construction retrieves its monolithic properties.

Mechanical: Barrikade EP-Betonginjisering has higher mechanical strength than cement and higher adhesion properties than a normal concrete. (See table below.)

Mechanical properties	Test method	Test results
Flexural strength (N/mm ²)	NBI 66/73	44
E-Modulus (N/mm ²)	NBI 66/73	2500
Compressive strength (N/mm ²)	NBI 66/73	80
Adhesion (N/mm ²)		
- dry concrete	-	4,0 - 4,5*
- Concrete immersed in water , 30 days	-	4,0 - 4,5*

* 100% concrete failure

(Test performed after 7 days curing at 23°C)

Chemical: Barrikade EP-Betonginjisering has very good water – and chemical resistance.

Cleaning:

Pumps and equipment is cleaned with **Barrikade EP-Tynner** immediately after use. (The pump equipment should be flushed through several times.)

Precautions:

Use gloves, protective suit and glasses when working with two component epoxy. See material safety data sheet!

Technical data:

Product:	2 component epoxy resin
Volume solids:	100%
Density:	1,1 g/cm ³
Consistency:	Low viscous fluid
Colour:	Clear
Mixing ratio Standard system:	
- Wt-%	Comp.A : comp.B = 3,5 : 1,0
- Vol-%	Comp.A : comp.B = 2,6 : 1,0
Slow curing system:	
- Wt-%	Comp.A : comp.B = 4,8 : 1,0
- Vol-%	Comp.A : comp.B = 3,5 : 1,0
Pot-life/ cure speed: Standard system	
20°C	Pot-life: Ca. 12 min. Cure speed: Ca. 3-4 days
10°C	Pot-life: Ca. 24 min. Cure speed: Ca. 6-8 days
Slow curing system:	
20°C	Pot-life: Ca. 70 min. Cure speed: Ca. 7 days
10°C	Pot-life: Ca. 160 min. Cure speed: Ca. 16 days
Application temperature	Min + 10°C (air/substrate)
Packaging:	1 og 5 kg set
Storage:	Dry, > 0°C
Shelf life:	12 months in un opened container

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The technical data presented here, as well as our instructions and recommendations, are based on numerous tests and on our experience. They are intended to assist the user in finding the most suitable working method and obtain the best possible results. Since the user's working conditions are beyond our control, we cannot accept responsibility for the result the user obtains when using the product.

Whenever in doubt – please contact us!

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