

EPOXINJECT 85 SLV is a solvent-free, nonylphenol-free, 2 component epoxy system.

GENERAL PROPERTIES AND APPLICATIONS

EPOXINJECT 85 SLV is a solvent-free, two component, epoxy binder. Due to its low viscosity, good reactivity and excellent adhesion properties, EPOXINJECT 85 SLV is suitable for structural injections in dry or wet concrete, bonding and anchoring, as well as for applications in contact with running water. The very low viscosity allows deep penetration in concrete cracks. EPOXINJECT 85 SLV is insensitive for moisture; it cures in moist and wet circumstances. The cured resin is resistant to acids, alkalides, oils, greases and petroleum derivatives (for information regarding specific chemical resistance, please contact us).

TECHNICAL DATA

Component A	Property	Value	Test norm
Appearance	Clear, transparent		
Viscosity at 25°C	100	mPa.s	ISO 3219
Density at 23°C	1,11	g/cm ³	ISO 2811-2

Component B	Property	Value	Test norm
Appearance	Yellow, transparent		
Viscosity at 25°C	30	mPa.s	ISO 3219
Density at 23°C	0,94	g/cm ³	ISO 2811-2

System	Property	Value	Test norm
Mixing ratio A/B	100 / 30	pbw	
Initial mix viscosity at 25°C	100	mPa.s	ISO 3219
Pot life 100 g at 20°C	+/- 35	min	
Minimum cure temperature	10	°C	

APPLICATION PRESCRIPTION

To guarantee excellent adhesion, the surface should be clean and free from dust, grease, oil, old paint or any other contamination. Ensure adequate surface preparation. The drilling of boreholes for packers around a concrete crack needs to be applied at suitable distances, to ensure a full distribution of the resin in the crack. Mix the predosed quantities of component A and component B at low speed (300 rpm) until a homogeneous mixture is obtained. Never mix more material than can be used within 1 hour. For crack injections, it is advisable to mix quantities of max 600 g*, to be used within 60 minutes at 20°C. The crack can be injected with a handpump, an electrical injection pump or a pneumatic injection pump.

*This quantity is indicative; factors like flow rate and pressure build-up have to be taken into account. Clean the pumps and hoses regularly during long injections

PROPERTIES

Subject	Value	Norm
Tensile strength	50 N/mm ²	BS EN 527-3:1996
Elongation at break	10 %	BS EN 527-3:1996
Shore D hardness (after 7 days at 20°C)	84	ASTM D2240
Compressive strength	ca 96 N/mm ²	ASTM C109/C109M: 2016a
Flexural strength	> 60 N/mm ²	EN 196-1
Density cured	1,10 g/cm ³	EN ISO 1183
Adhesion to dry concrete	> 5 N/mm ² (concrete break)	
Adhesion to wet concrete	3,6 N/mm ² (concrete break)	

PACKAGING

- 3 kg set: 2,3 kg component A + 0,7 kg component B
- 13 kg set: 10 kg component A + 3 kg component B

STORAGE

Storage temperature: 15 - 25°C.

Storage stability component A and component B: 24 months.

Store the material in its original packaging to prevent moisture ingress in a dry well-ventilated area, not exposed to direct sunlight and in compliance with local safety requirements.

SAFETY AND HEALTH PRECAUTIONS

Before starting read the material safety data sheet carefully. Protect your health! While working with this material, safety goggles, gloves and safety clothing must be worn at all times. While injecting, a full-face shield is strongly recommended. Spills and blowouts do happen! Protect yourself and others on the jobsite. Consider property in proximity of the application area to prevent loss or damage. Protect your jobsite from unauthorized persons. Store all materials and equipment safely and out of reach of children! Observe container labels, MSDS and instructions in the Product catalogue before using the product and equipment. In case one of the components comes in contact with the skin, wash thoroughly with soap and water. Provide adequate ventilation in volume and pattern in working area. Further protection: emergency showers and eyewash stations.