

Technical Data Sheet

Intectin® EP resin

Product

Description	Intectin® EP resin is a solvent-free, unloaded, transparent two-component epoxy resin resistant to chemicals.
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Usage	<p>Intectin® EP resin is used as a sealant and for the adhesion of concrete, masonry, wood and natural stone, producing frictional and tight connections.</p> <p>Intectin® EP resin adheres excellently to dry surfaces. Flank adhesion may be reduced when the surface is damp or wet. Intectin® EP is also well suited for brush injection.</p>
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Characteristics/ benefits	After mixing the two components, Intectin® EP resin cures to become a hard-elastic duromer with high compression strength, high bending strength, high adhesive tensile strength and shear strength. Intectin® EP resin is physiologically harmless and non-toxic after curing.
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Test (copies on request)

Approval/ permission	not required
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Product details

Design	---
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Packaging	Tinplate double container with 1 kg content
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Storage	If stored at a cool, dry and light-protected place, Intectin® EP can be stored for at least 12 months in unopened containers.
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Physical characteristics

Delivery form	2-components („A“ + „B“)		
Physical appearance	honey-yellow, transparent		
Viscosity	component A	450 mPa s	
	component B	6 mPa s	
density (20° C)	component A	1,12 kg/l	
	component B	0,87 kg/l	
material composition	solvent-free epoxy resin		
mixture of components		comp. A	comp. B
	ratio of weights	5,0	1,0
	ratio of volumes	3,9	1,0
Processing time (pot life)	approx. 50 minutes for a mixed amount of 1 (depending on temperature)		
working temperature	not below +5°C		
Curing time (20° C)	approx. 12 hours maximum strength after 7 days		
Compression strength	100 N/mm ²		
Bending strength	70 N/mm ²		
Tensile strength	51 N/mm ²	(DIN 53455)	
Elongation	5%	(DIN 53455)	
Impact resistance	13 KJ/m ²	(DIN 53453)	
Modulus of elasticity	3,02 GPa	(DIN 53457)	
Coefficient of linear thermal expansion - 25° C to + 25° C	6,7 - 10 ⁵ / K		

Tools and equipment are cleaned with a special **Intectin**[®] cleaner.

Environment / Sustainability

The company MAX FRANK GmbH & Co. KG has implemented a certified environmental management system since July 2022.

Please dispose of and recycle the packaging in accordance with the applicable legal regulations.

Disclaimer / Notes:

The usability of the products in the specific installation situation must be checked by the user. This data sheet is constantly updated. Technical changes are therefore expressly reserved without prior information of the customer. The currently valid version can be found on our website at: www.maxfrank.com. Our General Terms and Conditions of Sale apply in addition.