

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.

Disclaimer / Notes:

All technical data stated in this TDS are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Recommendations with regard to product application given in the present technical data sheet for practical assistance of product users are based on our experience and our present scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties. These recommendations do not relieve users of their liability and of their own responsibility to test, whether our product is adequate for the intended purpose of application. Please refer to the latest edition of this Technical Data Sheet on our web presence www.maxfrank.com.