

Technical Data Sheet



Injection Mortar FIS EM PLUS

Prepared on: 10.07.2023
Version: 1.2

Valid until: 10.07.2024

Printing Date: 10.07.2023
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Product Description: High-performance epoxy mortar for fastening in concrete
Colour: dark-grey

Technical Data:

Product Data	Testing Method	Results
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Stability		
UV-resistance (sunlight)		not resistant
Temperature resistance		100 °C
Water resistance		resistant
Water absorption		after 14 days: 0.18 %
Cleaning agents		1% tenside solution no effects

Physical properties*		
Flexural strength*	DIN EN 196-1	$\geq 55 \text{ N/mm}^2$
Compressive strength*	DIN EN 196-1	$\geq 95 \text{ N/mm}^2$
Tensile strength*	ISO 527	$> 40 \text{ MPa}$
Elongation at break*	ISO 527	1.3 %
Elastic modulus*	ISO 527	4.2 GPa
Absorption*		0.18 %
Shrinkage*		$< 0.01 \text{ %}$
Hardness Shore A*		> 100
Thermal conductivity*		0.33 W/mK
Specific contact resistance*		$5 \times 10^{16} \Omega\text{cm}$
pH-value*		$> 12.5 (22 \text{ °C})$
Density*		$1.45 - 1.55 \text{ g/cm}^3$

*Values determined with fully cured material. For the performance in the intended applications, these values are irrelevant, and no quality conclusions can be deduced therefrom. Therefore, these values are not part of the product specification. The data represent typical values and are given for information purposes only. The performance of the product is documented in the corresponding approvals which base on standardized tests conducted and evaluated by independent authorities.

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Workability features		
Viscosity (20 °C)	Brookfield (Sp.7) 10 U/min	~ 100 Pas
Open time [min]	-5 to +5 °C +5 to +10 °C +10 to +20 °C +20 to +30 °C +30 to +40 °C	240 120 30 14 7
Curing time [h]	-5 to +5 °C +5 to +10 °C +10 to +20 °C +20 to +30 °C +30 to +40 °C	80 40 18 10 5
Shelf life		36 months