

CorroFix Repair Mortar

Fiber reinforced concrete
repair mortar

Technical Data Sheet

Product description

CorroFix RM is a cement based, shrinkage-free, fast setting, fiber reinforced and light swellable repair mortar based on special cements, additives and aggregates according DIN EN 998-2 mortar class M30. CorroFix RM adheres and bonds perfect to nearly all absorbend mineral surfaces and is water, frost and salt resistant.

Field of application

CorroFix RM is used for renovation and sealing against pressurized and capillary water. For general concrete repair up to 100mm thickness and a fire resistant mortar.

Features and benefits

- Dry mortar
- Acc. DIN EN 998-2
- No sagging up to 100mm thickness per step
- Water resistant
- Fiber reinforced
- Fast setting
- High loadable
- High bonding to substrate
- Salt resistant
- Good resistance to acids and alkalies
- Sulphate resistant



Technical Data

Colour	cement grey		
Consistency	powder + aggregates		
Density:	1,8 g/cm ³		
Mixing water requirement	4 ltr per 25kg		
Compressive strength	1 day	appr. 13 N/mm ²	EN 12390-3:2019
	7 days	appr. 42 N/mm ²	EN 12390-3:2019
	28 days	appr. 47 N/mm ²	EN 12390-3:2019
Flexural strength	> 6 N/mm ²		EN 196-1:2016
Fire Class	Class A1		EN 13501-1
Processing temperature	at 5 to 30°C		
Consumption	1.7 kg/l		
Delivery	25 kg unit		
Storage	6 months frost-free and dry +5 ^o -25 ^o C in original packing		

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Instructions

Mixing water	160 ml/kg
Recommended thickness	< 100mm
Consumption	1,4 kg/mm thickness
Applicable	1 hour at 20° C
Loadable	after 3 days
Load with press. water	after 7 days

Application

Surface preparation

The surface has to be solid, stable, clean. Loose components, release agents, formwork oil, grease must be removed prior to application of CorroFix RM mortar. The surface must be humid or pre-wetted if necessary. Standing water must be avoided.

CorroFix RM is mixed with water (4 ltr per 25kg unit) to a homogeneous lump-free material. The water amount can be slightly adjusted up on requirement. Put the mortar in a clean bucket add water while mixing in parts till a thixotropic consistency is achieved. Minimum mixing time is 3 minutes.

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EN 998-1:2016	
Plaster Mortar (general purpose)	
Reaction to fire	A1
Water absorption	> 0,1 kg/m² after 24h
Water vapour permeability μ	< 25
Adhesive bond	> 0,08 N/mm² in fractured pattern B
Thermal conductivity $\lambda_{10,dry,mat}$	NPD
Durability (frost resistance)	NPD
Dangerous substances	NPD

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All technical data stated in this Technical Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. The information, and, in particular, the recommendations relating to the application and end-use of CorrPRE's products, are given in good faith based on CorrPRE's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with CorrPRE's recommendations.