

Technical Data Sheet

CorroFix Surface Sealer

A shrinkage-compensated sealing mortar for waterproofing and concrete protection



Features and benefits

- watertight against pressurised water
- water-resistant
- fast-curing
- low chromate content
- high adhesion
- salt-resistant
- good resistance to acids and alkalis at moderate concentrations
- sulphate-resistant
- low electrical resistivity

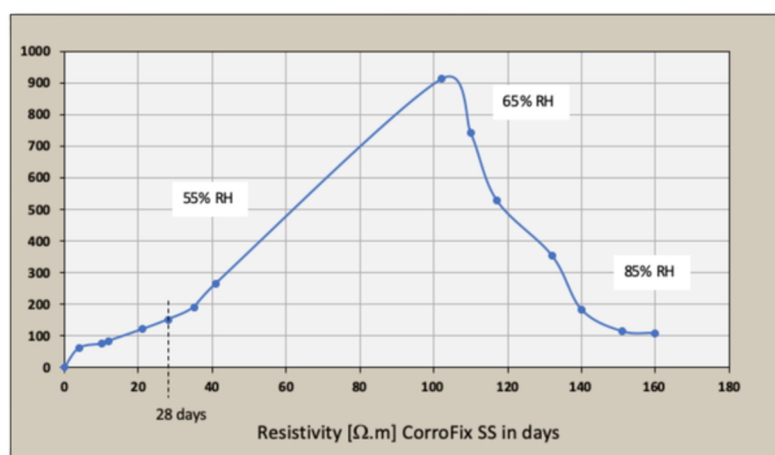
Description

CorroFix SS mortar is a cement-based, shrinkage-compensated mortar that is watertight against pressurised water in accordance with EN 998-1. CorroFix SS mortar develops higher compressive strength over time and withstands high water pressure.

Field of application

CorroFix SS mortar is used for waterproofing concrete structures, such as basements, against pressurised and capillary water infiltration. It is specifically intended to seal leaking areas of concrete caused by pores or cracks prior to the application of ZLA®. The relatively high electrical conductivity of this mortar over a wide range of relative humidities (see the graph below) makes it exceptionally suitable for use in combination with galvanic CP systems.

In addition, it can be used as a watertight plaster. It is also suitable as a surface preparation for tile overlays. It can also be used as a sealant mortar in grooves at floor-to-wall joints.



1. Course of resistivity (Ωm) over time at different relative humidities (% RH)

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TECHNICAL DATA	SPECIFICATIONS	TEST METHOD
COLOUR	CEMENT GREY	
DENSITY	1.8 G/CM ³	
MIXING WATER REQUIREMENT	5,5 LTR PER BAG (30KG)	
COMPRESSIVE STRENGTH	1 DAY: APPROX. 6 N/MM ² 7 DAYS: APPROX. 18 N/MM ² 28 DAYS: APPROX. 24 N/MM ²	
TENSILE STRENGTH	> 3 N/MM ²	
WATERPROOF	AGAINST PRESSURISED WATER	EN 998-1
APPLICABLE	APPROX. 70 MINUTES AT 20°C	
CONSUMPTION	1.8 KG/L	
INITIAL CURING TIME	120 MINUTES AT 20°C	
FIRE CLASS	CLASS A1	EN 13501-1
ELECTRICAL RESISTIVITY	110 Ω M AT 85% RH	CUR 45 (NL)
DELIVERY	30 KG BAGS	
STORAGE	6 MONTHS – STORE FROST-FREE AND DRY AT +5°C TO +25°C IN THE ORIGINAL PACKAGING	

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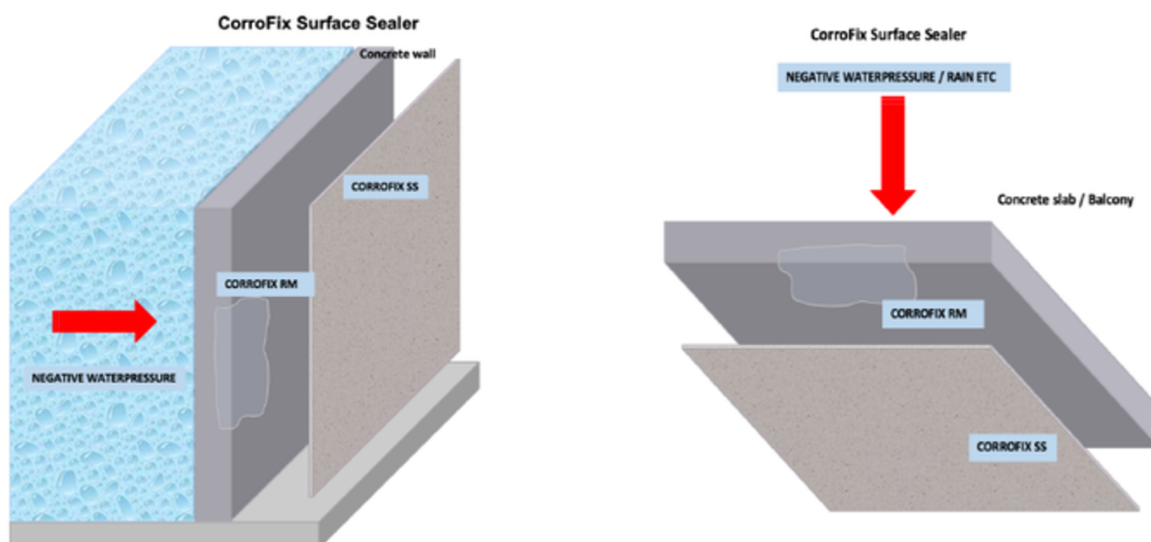
MIXING WATER	180–260 ML/KG
RECOMMENDED THICKNESS	10 - 20 MM
CONSUMPTION	1.2 KG/MM THICKNESS
APPLICABLE	1 HOUR AT 20°C
LOADABLE	AFTER 3 DAYS
LOAD WITH PRESS. WATER	AFTER 7 DAYS

Surface preparation

The surface must be solid, stable and clean. Loose material, release agents, formwork oil and grease must be removed prior to the application of CorroFix SS. The surface must be damp or pre-wetted if necessary. Standing water must be avoided.

CorroFix SS is mixed with water (5.5 L per 30 kg bag) to form a homogeneous, lump-free material. The amount of water can be adjusted as required. Place the mortar in a clean bucket and add the water gradually while mixing. Additional water may be added to reduce the thixotropy. The minimum mixing time is 3 minutes.

CorroFix SS can be applied using mortar spraying equipment. CorroFix SS can be applied in one step up to a thickness of 2 cm.



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 06300	
EN 998-1:2016	
Plaster Mortar (general purpose)	
Reaction to fire	A1
Water absorption	> 0,1 kg/m ² after 24h
Water vapour permeability μ	< 25
Adhesive bond	> 0,08 N/mm ² in fractured pattern B

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.

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Approved by: R. Giorgini