

# CorroFix Surface Sealer

A shrinkage compensated sealing mortar for waterproofing and concrete protection

## Technical Data Sheet

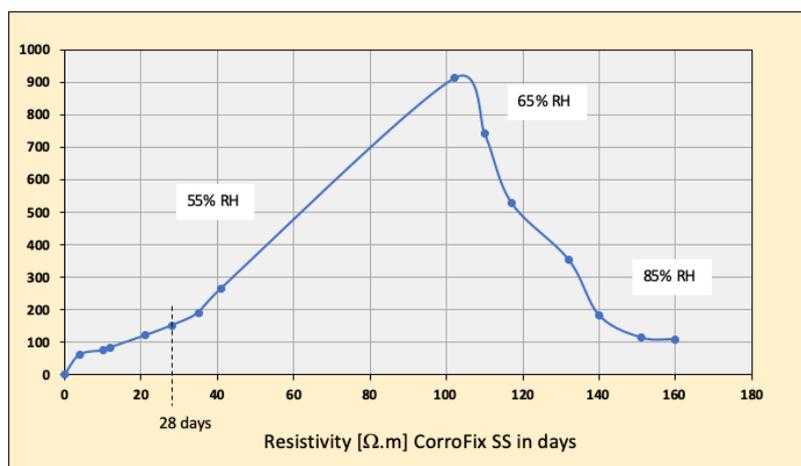
### Product description

CorroFix SS mortar is a cement based, shrinkage compensated, watertight against pressurized water according to EN 998-1. CorroFix SS mortar develops over a longer period a higher compressive strength and withstands high water pressure.

### Field of application

CorroFix SS mortar is used for waterproofing material of concrete structures such as basements against pressure and capillary water infiltration. It is specifically meant to seal leaking concrete surface areas due to pores or cracks prior to apply ZLA. The relatively high electrical conductivity of this mortar over a wide range of Relative Humidities (see the Graph below) makes it exceptionally suitable 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. Can also be used as a sealant mortar in grooves between floor to wall joints.



1. Course of resistivity ( $\Omega m$ ) over time at different relative humidities (% RH)



### Features and benefits

- Watertight against pressurized water
- Water resistant
- Fast curing
- Low chromate content
- High adhesion properties
- Salt resistant
- Good resistance to acids and alkalis at moderate concentrations
- Sulphate resistant
- Low electrical resistivity

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## Technical Data

<b>Color</b>	<b>cement grey</b>	<b>Test Method</b>
<b>Density:</b>	1,8 g/cm <sup>3</sup>	
<b>Mixing water requirement</b>	5,5 ltr per bag (30kg)	
<b>Compressive strength</b>	1 day : appr. 6 N/mm <sup>2</sup> ; 7 days : appr. 18 N/mm <sup>2</sup> ; 28 days : appr. 24 N/mm <sup>2</sup>	
<b>Tensile strength</b>	> 3 N/mm <sup>2</sup>	
<b>Waterproof</b>	against pressurized water	EN 998-1
<b>Applicable</b>	approx. 70 minutes at 20°C	
<b>Consumption</b>	1.8 kg/ltr	
<b>Curing initiation</b>	120 minutes at 20°C	
<b>Fire Class</b>	class A1	EN 13501-1
<b>Electrical resistivity</b>	110 Ω.m at 85% RH	CUR 45 (NL)
<b>Delivery</b>	30 kg bags	
<b>Storage</b>	6 months frost-free and dry +5 <sup>o</sup> -25 <sup>o</sup> C in original packing	

## Instructions

<b>Mixing water</b>	180 - max. 260 ml/kg
<b>Recommended thickness</b>	10 - 20mm
<b>Consumption</b>	1,2 kg/mm thickness
<b>Applicable</b>	1 hour at 20° C
<b>Loadable</b>	after 3 days
<b>Load with press. water</b>	after 7 days

## Application

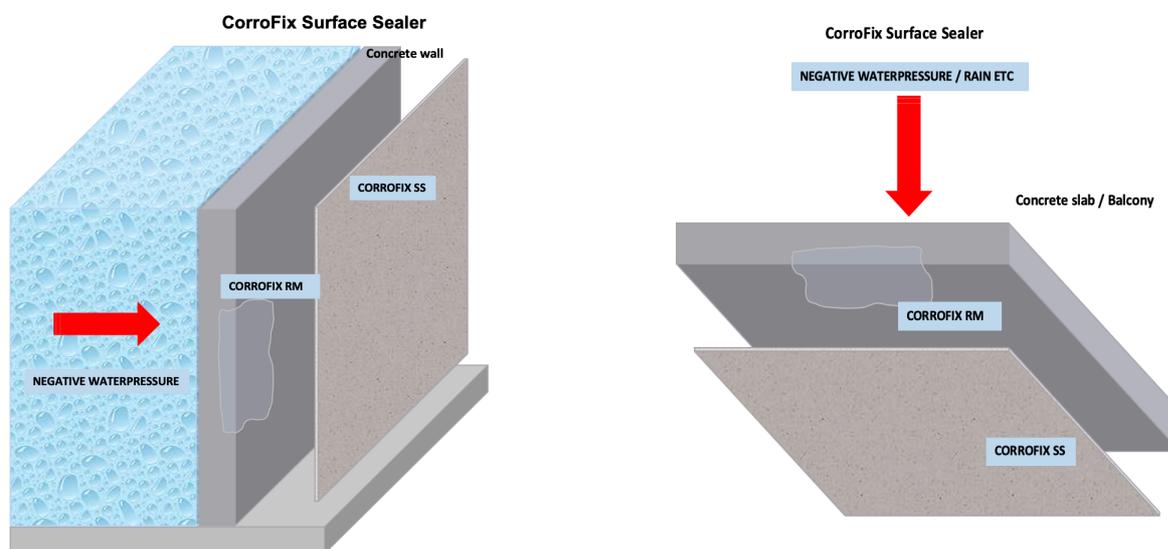
### Surface preparation

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

CorroFix SS is mixed with water (5.5 ltr per 30 kg bag) to a homogeneous lump-free material. The water amount can be adjusted up on requirement. Put the mortar in a clean bucket add water while mixing in parts. Additional water can be mixed to reduce the thixotropy. Minimum mixing time is 3 minutes.

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

# CorroFix Surface Sealer



 <b>06300</b>	
EN 998-1:2016	
Plaster Mortar (general purpose)	
Reaction to fire	A1
Water absorption	> 0,1 kg/m <sup>2</sup> after 24h
Water vapour permeability $\mu$	< 25
Adhesive bond	> 0,08 N/mm <sup>2</sup> in fractured pattern B
Thermal conductivity $\lambda_{10,dry,mat}$	NPD
Durability (frost resistance)	NPD
Dangerous substances	NPD

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01

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6<sup>th</sup> September 2019

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.