

Technical Data Sheet

CorroSeal 2C

Two component elastic and flexible sealing membrane for waterproofing and concrete protection



Features and benefits

- two component (A+B) with high elastic properties
- watertight
- crack bridging
- UV-resistant
- high solid content
- radon gas tight
- interior and exterior applicable
- sprayable
- easy and smooth application

Description

CorroSeal 2C is a two component, hydro active, cement and mineral based, elastic and flexible lightweight membrane for waterproofing, concrete protection, and specifically meant to protect ZLA against water ingress. When mixed, CorroSeal 2C obtains a fluid consistency such that it can be easily hand applied or sprayed. CorroSeal 2C cures crack-free. CorroSeal 2C is composed of a powder component (component A) and a low viscous rubber dispersion (component B).

Field of application

CorroSeal 2C is used as a reliable and permanent waterproofing system for nearly all cases, up to pressurized water up to 6 m water column. CorroSeal 2C is developed to protect ZLA against water ingress but can also be used for positive side (outside) waterproofing of buildings and also usable in wet rooms for waterproofing under tiles. It is applicable on nearly all mineral based solid surfaces with an ideal strength of $>1,5 \text{ N/mm}^2$.



Typical application areas

- for interior and exterior application
- foundation protection
- protection against carbonation and chloride attack
- car parkings
- water tanks
- wet rooms or manholes
- waterproofing under walls against rising dampness
- for areas constantly submerged in water

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CHARACTERISTICS	PERFORMANCE	TEST METHOD
WATER VAPOUR PERMEABILITY (MICROMETER)	SD < 5M (CLASS I)	EN ISO 7783-2
SD-VALUE (CO2)	SD > 50M	EN 1062-6
DENSITY	1,5 g/cm ³	
CAPILLARY ABSORPTION AND PERMEABILITY TO WATER	W < 0,1 KG/M ² •H0,5	EN 1062-3
CRACK BRIDGING ABILITY	NPD	EN 1062-7
ADHESION STRENGTH BY PULL-OFF TEST	≥ 0,8 (0,5) 1) N/MM ²	EN 1542
REACTION TO FIRE	EUROCLASS E	E 13501-1
DANGEROUS SUBSTANCES	COMPLY WITH 5.3	



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Instructions

APPLICATION DATA	
LOADABLE	AFTER 3 DAYS
LOADABLE WITH PRESSURIZED WATER	AFTER 7 DAYS
APPLICABLE	APPROX. 1 HOUR AT 20°C
CONSUMPTION	1.2 KG PER MM COATING THICKNESS
RECOMMENDED THICKNESS FOR WATERPROOFING	> 2MM
DELIVERY	25 KG COMBI PACK (15KG POWDER + 10KG LIQUID)
STORAGE	6 MONTHS FROST-FREE AND DRY NOT ABOVE 25C IN ORIGINAL PACKING


Surface preparation

The surface must be mineral, dry or lightly humid, sound, absorbent and clean. Bonding inhibiting agents such as grease, oil, formwork oil and all loose particles and dust must be removed before application. Damaged area like cracks, holes or cavities have to be repaired with CorroFix RM. Pores must be open to penetrate. CorroSeal 2C can be applied on old tiles.

For wet rooms, balconies and terraces, CorroSeal 2C should be mixed lump-free and homogeneous in the predetermined mixing ratio in a clean mixing pail by using a low speed mixer. Put firstly 3/4 of component B (liquid) in a pail and add the whole component A powder, mix it until a lump-free compound is attained. After 3 minutes add the rest 1/4 of the liquid (component B) and mix again. Apply the product by using a hard brush, a wide-paint brush or trowel. The application must be done in minimum 2 layers. The second layer will be applied after the first layer is dry. For mechanical impact resistance glasfiber reinforcement mesh can be imbedded.

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For positive side waterproofing apply the first layer of CorroSeal 2C using a brush or trowel. A dry surface should be pre-wetted. Before applying the second layer the first layer must be solid depending on weather conditions after 3-4 hours. During curing prevent any mechanical damages. Avoid fast drying (wind, sun etc.), frost and rain.

 05350	
EN 1504-2:2004	
Elastic and flexible membrane for waterproofing	
Permeability to CO₂	SD > 50 m
Permeability to water vapour	SD < 5 m (Class I)
Capillary absorption and permeability to water	w < 0,1 kg/m² •h^{0,5}
Crack bridging ability	NPD
Adhesion strength by pull-off test	≥ 0,8 (0,5) ¹⁾ N/mm²
Reaction to fire	Euroclass E
Dangerous substances	Comply with 5.3

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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Revision Nr.: 02

Revision date: 23-03-2026

Approved by: R. Giorgini