

Technical Data Sheet

CorroSeal 2C

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



Features and benefits

- two-component (A+B) system with high elasticity
- watertight
- crack bridging
- UV-resistant
- high solid content
- radon gas-tight
- suitable for interior and exterior applications
- sprayable
- easy, smooth application

Description

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

Field of application

CorroSeal 2C is used as a reliable and permanent waterproofing system for nearly all applications, including pressurised water up to a 6 m water column. CorroSeal 2C is designed to protect ZLA® against water ingress, but can also be used for positive-side (external) waterproofing of buildings and for waterproofing under tiles in wet rooms for waterproofing under tiles. It can be applied to nearly all solid mineral-based surfaces with an ideal strength of $> 1.5 \text{ N/mm}^2$.



Typical application areas

- for interior and exterior applications
- 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 < 5 M (CLASS I)	EN ISO 7783-2
SD-VALUE (CO ₂)	SD > 50 M	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	EN 13501-1
DANGEROUS SUBSTANCES	COMPLIES WITH 5.3	



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Instructions

APPLICATION DATA	
LOADABLE	AFTER 16 HOURS
RAIN RESISTANCE	AFTER APPROX. 2 HOURS
DRYING TIME FOR 1ST AND 2ND COAT	APPROX. 2 HOURS AT 20°C
CONSUMPTION	1.5 KG PER MM COATING THICKNESS
RECOMMENDED THICKNESS FOR WATERPROOFING	> 2 MM
DELIVERY	24.8 KG COMBI PACK (16 KG POWDER + 8.8 KG LIQUID)
STORAGE	6 MONTHS, STORE FROST-FREE AND DRY, BELOW 25°C, IN THE ORIGINAL PACKAGING
MAXIMUM LAYER THICKENSS	8 MM

Surface preparation

The surface must be mineral-based, dry or slightly damp, sound, absorbent and clean. Bond-inhibiting substances such as grease, oil and formwork oil, as well as all loose particles and dust, must be removed before application. Damaged areas such as cracks, holes or cavities must be repaired with CorroFix RM. Pores must be open to allow penetration. CorroSeal 2C can be applied to old tiles.

For wet rooms, balconies and terraces, CorroSeal 2C should be mixed to a lump-free, homogeneous consistency in the predetermined mixing ratio, using a clean mixing pail and a low-speed mixer. First, pour 3/4 of Component B (liquid) into the pail and add all of Component A (powder). Mix until a lump-free compound is obtained. After 3 minutes, add the remaining 1/4 of the liquid (Component B) and mix again. Apply the product using a trowel or spray gun. The product must be applied in a minimum of two layers. Apply the second layer after the first layer has dried. Where additional mechanical impact resistance is required, glass fibre reinforcement mesh may be embedded. This is optional and not mandatory.

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For positive-side waterproofing, apply the first layer of CorroSeal 2C using a spray gun or trowel. Dry surfaces should be lightly pre-wetted. Before applying the second layer, the first layer must be sufficiently firm, typically after 3–4 hours depending on weather conditions. During curing prevent any mechanical damages. Avoid rapid drying caused by wind, sun, etc., as well as 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.

CorrPRE - Special Anodes Manufacturing, Zuidbaan 509, 2841MD, Moordrecht, Netherlands

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Approved by: R. Giorgini