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Technical Data Sheet

CorroSeal 2C

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



Features and benefits

- two-component system
- watertight
- highly elastic and 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 homogeneous, workable mixture that can be easily trowelled or sprayed. CorroSeal 2C cures crack-free. CorroSeal 2C consists of a powder component (Component A) and a liquid polymer dispersion (Component B).

Field of application

CorroSeal 2C is used as a reliable waterproofing system for nearly all applications, including pressurised water. 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. It can be applied to nearly all solid mineral-based surfaces. The required coating thickness and detailing depend on the application and water exposure.



Typical application areas

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

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PROPERTY	VALUE
PRODUCT TYPE	TWO-COMPONENT MINERAL/POLYMER WATERPROOFING COATING
COLOUR	GREY
APPLICATION TEMPERATURE	+5°C TO +25°C
APPLICATION METHOD	TROWEL OR NOTCHED TROWEL/ MACHINE SPRAYABLE
NUMBER OF COATS	MINIMUM TWO COATS
RECOATING TIME	APPROXIMATELY 2–3 HOURS; THE PREVIOUS COAT MUST BE FULLY SET AND SCRATCH-RESISTANT
RAIN RESISTANCE	AFTER APPROXIMATELY 2 HOURS
REACTION TO FIRE	CLASS E
PACK SIZE	24.8 KG SET: 16 KG POWDER + 8.8 KG LIQUID
STORAGE	6 MONTHS IN ORIGINAL PACKAGING, STORED DRY AND FROST-FREE AT +5°C TO +25°C

Application and curing times depend on temperature, humidity, substrate conditions and coating thickness.

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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.

1. First, pour all of Component B (liquid) into the pail and add all of Component A (powder). Mix mechanically at least 2 minutes until a lump-free compound is obtained.

2. Apply the product using a trowel or spray gun. The product must be applied in a minimum of two layers.

3. 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.*



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 2–3 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.

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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