

TECHNICAL DATA

CORUCRYSTAL 2K



PRODUCT DESCRIPTION

It is a cement-based, two-component crystallized waterproofing mortar. It produces water-insoluble crystals by reacting with the chemicals in the structure of the concrete, and provides water insulation from both the negative and positive sides by forming a flexible layer thanks to the acrylic binder.

AREAS OF USE

- Indoors and outdoors,
- In negative and positive waterproofing of structures such as basement curtains,
- Water storage tanks, swimming pools,
- In vertical and horizontal applications,
- It can be used as a spreader before the foundation concrete,
- In foundation insulation and curtain walls,
- On unplastered surfaces such as brick, gas concrete, pumice,
- It is used in reinforced concrete pipes.

TECHNICAL SPECIFICATIONS

Chemical Structure	Two component crystallized mortar
Water Vapor Permeability Coefficient	DIN 52 615 $\mu= 40$
Compressive Strength (28 days)	EN 196-1 27.0 N/mm ²
Flexural Strength (28 days)	EN 196-1 10.0 N/mm ²
Abrasion Resistance (28 days)	ASTM D4060-90 0,00027 g/U
Chloride and Sulfate Resistance	Durable
Application Temperature	(5°C)-(20°C)
Application Tools	Brush-roller-spray
Color Properties	Gray
Complete Drying Time	(23°C) 24-48 hours
Average Consumption	
Against Moisture (2 floors)	2,0 kg/m ²
Against Non-Pressurized Water	3,0 kg/m ²

FEATURES

- Resistant to positive and negative water pressure.
- It prevents water passage thanks to its crystal structure.
- It is resistant to abrasion.
- It is not toxic.
- Ideal for water tanks.
- It is water resistant.
- It has high adhesion strength.

- It has high flexibility and breathes.
 - It will not break, crack or swell up and lift off the surface.
 - Easy to apply.
 - It has high mechanical resistance to abrasion and impacts.
 - It is resistant to salt water, grease and oil and is also impermeable.
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SURFACE PREPARATION

- The application surface must be cured.
 - The surface must be free of any materials such as oil, dirt, dust, paint, etc. that may prevent adhesion.
 - Weak parts of the concrete should be repaired and loose tissues should be scraped off.
 - The application surfaces must be dry or slightly damp.
 - Layers that will reduce adhesion such as oil, grease, dirt, paint, cement grout, rust, mold oil, salt efflorescence must be completely cleaned before application.
 - Surfaces must be clean, solid, free from bearing and loose particles.
 - The surface should be prepared by carefully repairing any cracks and breaks that may be present on the surface with CORURMINCE repair mortar.
 - After the surface is ready, primer application should be started.
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APPLICATION

- On dry surfaces, the concrete surface should be moistened.
 - CORUCRYSTAL 2K A and B components should be poured into a suitable container and water should be added to reach the consistency of mortar.
 - Continue mixing for approximately 3 minutes (with a low speed mixer).
 - As a result of the mixing process, a homogeneous, lump-free and spreadable mortar is obtained.
 - The CORUCRYSTAL 2K system is applied by brush or suitable spray equipment.
 - Application is done in 2 or 3 layers. The layers should be applied homogeneously and smoothly, and each layer should be applied perpendicular to the previous one.
 - Drying time should be allowed between coats (minimum 3 hours) but not more than 24 hours.
 - Avoid haphazard and irregular applications.
 - After the application, the surfaces should be kept moist and prevented from drying out for 5 days by spraying or sprinkling water.
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STORAGE, PACKAGING, CONSUMPTION

- In its original packaging, it should be stacked up to 8 times.
 - It should be stored in a closed area.
 - Necessary precautions must be taken against water, humidity, frost and severe weather conditions.
 - It should be stored on a pallet and in a dry place between +10°C and +25°C.
 - Punctured, opened and burst buckets should be closed or used immediately.
 - If the specified storage conditions are observed, the storage life is 12 months.
 - CORUCRYSTAL 2K (powder component) is presented in 25 kg Kraft bag, CORUCRYSTAL B component (liquid component) is presented in 3 kg drums and 28 kg sets.
 - Against moisture (in 2 layers) 2.0 kg/m²
 - Against unpressurized water (in 2 layers) 3.0 kg/m²
 - Against pressurized water (23 floors) 4.0 kg/m²
 - A controlled sample is recommended for exact consumption.
 - The specified rates are theoretical standards and may vary depending on the application method and intensity of use.
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SAFETY AND WARNINGS

- Freshly applied material should not be exposed to rain or frost for 24 hours.
- It should not be applied in rainy weather below (+) 10°C.
- It should not be applied to wet and frozen surfaces.
- Pay attention to the safety signs and warnings on the packaging.
- Adequate ventilation should be provided in workshops, and open flames and high temperatures should be avoided.
- Stir well before application. Do not leave the lid of the package open.
- Avoid application in weather conditions where rain is expected or under rain.
- It should not be brought into contact with skin, eyes and mouth, and the application should be carried out by taking the necessary work safety precautions.
- Avoid applying at temperatures below +5°C and above +20°C, do not try to use frozen material by adding water.