

TECHNICAL DATA

CORUCEM 2K SUPER ELASTIC



PRODUCT DESCRIPTION

Polymer emulsion modified, cement based, two component, highly elastic, UV resistant, quick setting waterproofing mortar that can be applied against positive and negative water pressure, independent of weather conditions.

AREAS OF USE

- In indoor and outdoor closed areas,
- Water storage tanks, swimming pools,
- In vertical and horizontal applications,
- It is used for waterproofing under ceramics and in wet areas (bathroom, WC, shower, kitchen).

TECHNICAL SPECIFICATIONS

Chemical Structure	Two-component superelastic waterproofing mortar
Waterproofness	≥7 bar (positive)
Application Temperature	Between +10°C and +30°C
Application Thickness	1,50-2,0 mm
Recoatibility Period	(23°C) 5-10 seconds
Application Tools	Brush-roller-spray
Colour	Gray
Complete Drying Time	(23°C) 24-48 hours
Average Consumption	3-4kg/m ²

FEATURES

- Provides long-lasting insulation.
- 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 is resistant to water ponding.
- 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 not affected by fungi and bacteria.
- It is not affected by UV rays.
- It is resistant to salt water, grease and oil and is also impermeable.
- It can create a barrier against moisture coming from below by filling the pores on the surfaces it is applied to.

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 areas of concrete should be repaired and loose tissue 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 CORU-RM-INCE repair mortar.
- After the surface is ready, primer application should be started.
- In open spaces such as terraces, corners must be chamfered horizontally or vertically at a 45° angle and made ready for insulation.

APPLICATION

- The surfaces to be applied are primed with CORUNEX SILINAST EXTRA (Global Primer).
- CORUCEM 2K Super is applied at least 8 hours after the primer application.
- Application should be made in 2 layers using brush, roller or spray on prepared surfaces.
- The liquid component is placed in the mixing bowl and the powder component is slowly poured into the liquid.
- Without adding water, mix it with a low-speed mixer until there are no lumps. Wait for 5 minutes until it reaches the desired consistency, then mix for another 20-30 seconds.
- It is applied by brushing in one direction and into the corners. Before applying the second layer, the steep corners should be beveled.
- The application of each layer should be perpendicular to the previous one and should be completed in one go.
- It is recommended to apply a net between two layers of CORUCEM 2K Super.
- The prepared mixture should be consumed within 30 minutes.
- No external water is added to the mixture.
- The powder component should always be added to the liquid component.
- Wait 5 hours between coats.
- Drying time may be longer in environments with low temperatures and high humidity.
- If the floor is not completely dry, the second coat should not be applied.



STORAGE, PACKAGING, CONSUMPTION

- It should be stacked up to 4 times in its original packaging.
 - 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.
 - CORUCEM 2K Super is presented as a set in a 25 kg Kraft bag and an 8 kg drum.
 - Consumption rate varies depending on the application technique and the absorbency of the surface.
 - 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.
- Mix well before application.
- Do not leave the lid of the packaging 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 +10°C and above +20°C, do not try to use frozen material by adding water.