

TECHNICAL DATA

2K ELASTIC SEMI CORUCEM



PRODUCT DESCRIPTION

CORUCEM 2K is a high quality semi-elastic waterproofing mortar consisting of two components, cement and acrylic based powder and liquid binder, which always maintains its flexibility.

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 flexible waterproofing mortar
Waterproofness	≥5 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	Grid-shape
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 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-İNCE 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 application is started 8 hours after the primer application at the latest.
- 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 mesh between two layers of CORUCEM 2K.
- 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 is presented as a set in a 20 kg Kraft bag and a 5 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.

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.