

## TECHNICAL DATA

## CORUCRYSTAL PLUS



## *PRODUCT DESCRIPTION*

It is a cement-based, crystallized waterproofing product that is applied to the foundation by sprinkling before the concrete, and provides water impermeability to the concrete by reacting with the water and cement in the poured concrete, free lime and specially formulated crystallized chemicals, and filling the capillary gaps in the concrete.

## *AREAS OF USE*

- Before the foundation concrete to be laid on lean concrete

# *FEATURES*

- After the formwork and iron are laid on the lean concrete, before pouring the concrete, it is sprinkled onto the ground over the iron with the sprinkling method, with a consumption of 3 kg/m<sup>2</sup>.
  - It is reactive; it repairs capillary cracks of up to 0.5 mm that occur in the foundation concrete over time.
  - It protects the iron reinforcement from aggressive chloride ion attacks; it uses water to move through the concrete by diffusion and prevents the iron from rusting.
  - It prevents sulphate ions from penetrating into the reinforced concrete, forming large and bulky molecules and therefore cracking the concrete.
  - Thanks to its special formula, it increases the life and durability of concrete.
  - Since it has an inorganic chemical structure, it does not reduce the compressive strength of concrete.
  - Its effect continues throughout the life of the concrete.
  - It can be used in all weather conditions, with the ability to pour concrete for sub-foundation waterproofing.
  - It is not affected by UV rays and oxidation.
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# *SURFACE PREPARATION*

- Before application, lean concrete must be laid and cleaned of oil, dirt, rust and grease.
  - Formwork and iron should be laid on lean concrete.
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# *APPLICATION*

- After laying the formwork and iron on the lean concrete, CORUCRYSTAL PLUS is sprinkled onto the ground over the iron with a dry spreading system with a consumption of 3 kg/m<sup>2</sup> before pouring the concrete.
- For controlled consumption, 1 CORUCRYSTAL bag (25 kg) is placed on the 4x2m (8m<sup>2</sup> area) tile made on the iron and sprinkled in that area.
- With the pouring of concrete, the chemical reaction begins and the sub-foundation insulation is completed.

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# *STORAGE, PACKAGING, CONSUMPTION*

- It should be stacked up to 8 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.
- CORUCRYSTAL PLUS is presented as 25kg Kraft bag. (3kg/m<sup>2</sup>)
- A controlled sample is recommended for exact consumption.
- The oxide is red in color

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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 +30°C, do not try to use frozen material by adding water.