QIS CRS TT

CRYSTALIZED WATERPROOFING MATERIAL APPLIED BY SPREADING







WATERPROOFING SYSTEMS

DESCRIPTION

QIS CRS TT is an insulation material used to provide water insulation in the foundation insulation of structures. The crystallized chemicals in QIS CRS TT react within the applied structure, forming insoluble crystals. These crystals penetrate the capillary cavities, preventing the passage of water and providing long-lasting water insulation as part of the structure.

USAGE AREAS

- In structure foundations and underground floors.

CHARACTERISTICS

- QIS CRS TT effectively prevents the progress of water by forming crystals in capillary cavities containing water, providing lifelong water impermeability to the structure.
- Prevents moisture formation in the structure where it is applied.
- Prevents moisture and odor on moldy surfaces.
- Does not lose its ability to react and is revived by moisture and water seeping into the concrete after years.
- Does not prevent the concrete from breathing and does not cut off air and water vapor.
- Resistant to both positive and negative water pressure.
- Protects the concrete and steel reinforcement from chemicals by increasing the pH value of the concrete and preventing corrosion.
- As it is part of the concrete structure, it does not tear, puncture, or wear out.
- Can be used instead of water-retaining tape in stationary construction joints.
- Used on fresh concrete in waterproofing horizontal joints.
- Its inorganic chemical structure does not reduce the compressive strength of the concrete.

APPLICATION METHOD

Application

Using as a Sprinkle Under the Foundation

After the iron and mold are laid, the material is sprinkled on the lean concrete (3 kg/m^2). To control consumption, one 20 kg QIS CRS TT bag is placed on a 6 m^2 area and sprinkled. The reaction starts with the pouring of fresh concrete on the material, providing insulation.

Application Conditions

- After application, the surface should be protected from rain and frost for at least 24 hours.
- Application should not be done if the ground temperature is expected to fall below 5°C within 24 hours after the application.
- In high-temperature environments, the application should be done quickly and uninterruptedly in the morning and evening hours, and the material should be kept in the shade.
- In low-temperature environments, the application should start towards noon, provided that the temperature is below 5°C, and the surface is not frozen. The material should be kept in a warm environment, and the surface should be protected from frost after the application.

CONSUMPTION

As a sprinkle under the foundation: 3-4 kg/m^2

PACKAGING AND STORAGE

20 kg Kraft Bag

When stored in its original packaging, in dry, protected, and ventilated environments at +10°C / +30°C, protected from sun, rain, and frost, the shelf life is 12 months from the date of production.

SAFETY PRECAUTIONS

During application and mixing, avoid contact with the skin and eyes. In case of contact, wash with plenty of water. If the product comes into contact with the eyes, wash immediately with plenty of water and seek medical attention. Use gloves, protective clothing, mask, and goggles during use.

TECHNICAL DATA

Applicable ground temp.	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete	> 2 N/mm^2
Workability time	20 minutes (20°C, %50 humidity)
Setting time (20°C)	6 hours initial setting 24 hours final setting
Capillary water absorption	≤ 0.1 kg.m^2.hour$^{0.5}$
Mix density	1.95 ±0.1 kg/L
Water mixing ratio	31-35%

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.

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