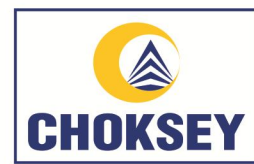


□ TECHCRYST 2K SUPER STRONG

Two-component, cement-based crystalline, pressure-watertight, hydraulic-setting, coating both-sides-water-resistant for both positive and negative side waterproofing



An ISO 9001-2000 Company

DESCRIPTION

TECHCRYST 2K SUPER STRONG is a two-component, solvent-free impregnation sealing system, consisting of a modified, chloride-free mineral powder and a styrene-butadiene-dispersion. It is permanently stable, impermeable to water pressure and also acts as a vapour barrier.

TYPICAL APPLICATIONS

It bonds extremely well on these grounds. Techcryst 2K Super Strong is particularly suitable for basements, water tanks, swimming pools, lifts fits in buildings and for building sealing like cellar brickwork in combination with bitumen thick coating as well as belated inside sealing. Techcryst 2K Super Strong is also sealing areas on solid, mineral and gypsum-free grounds from the negative waterside. Techcryst 2K Super Strong can be applied on grounds made of concrete, masonry and cement plaster.

TECHNICAL CHARACTERISTICS

- | | |
|---|--|
| • Compressive Strength: | 35 N/mm ² |
| • Flexure tensile Strength: | 6.3 N/mm ² |
| • Bonding Strength: | 1.8 N/mm ² |
| • Coefficient of water vapour diffusion resistance (μ): | 60 |
| • Positive Side water permeability: | depend on substrate up to 10 bar |
| • Negative Side water permeability: | depend on substrate up to 10 bar |
| • Pot life (20 °C): | 2 h 30 min. |
| • Resistant to foot traffic: | approx. 2 days |
| • Curing Process completed: | approx. 12 days |
| • Resistance to: | diluted acids and alkaline (pH upto 2) |
| • Dry temperature: | upto 150 °C |

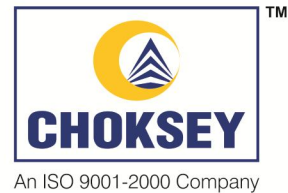
DIRECTION FOR USE

1. PERPARATION OF SUBSTRATE

The surface must be solid, supportive, gypsum free, absorbent and mostly level. Areas soiled with oil, grease or other separating layers have to be cleaned. Edges and arises have to be broken; grooves have to be made workman like using Repair Mortar. Lime plaster has to be removed (knocked off). When salt efflorescence becomes visible the surface has to be treated with Salt Guard. When applied in combination with Salt Guard, it can take pH upto 2 and temperature resistance upto 150°C. Before applying Techcryst 2K Super Strong the substrate has to be pre-wetted thoroughly in order to achieve a slightly (not shiny) humid surface. Puddles have to be removed. For indoor sealing a primer of water and **SBR LATEX 1:1** is suitable to use before applying Techcryst 2K Super Strong.

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2. APPLICATION

Using a slowly running mixer the powder component of Techcryst 2K Super Strong is mixed into the fluid component (the mixing ratio by weight is **3: 1**) until a homogeneous, ready-to spread blend without lumps is obtained. The mixed material has to be applied within the period of 1 hour. Techcryst 2K Super Strong is applied using a firm brush, wide paintbrush, trowel or a suitable spraying device in 2 - 3 working steps (max. 1, 5-2, 0 mm each). Techcryst 2K Super Strong should not be used when the temperature of the air respectively the substrate is below +5°C.

3. Consumption:

Field of application	Minimum application quantity	Minimum Layer Thickness
Ground water:	1.5-2.0 kg/m ²	Approx. 1.5mm
Non-pressing surface- & Seepage water	2.0 kg/m ²	Approx. 2.0mm
Pressing water	2.5 kg/m ²	Approx. 2.0mm

4. DRYING TIME

The drying time depends on the temperature, movement and humidity of the air and the layer thickness applied. Make 1-4 hour breaks between working steps in order to let the previous layer dry thoroughly.

5. INFORMATION ON FURTHER PROCESSING

High temperature requires taking care that. Techcryst 2K Super Strong doesn't dry too quickly.

CLEANING OF TOOLS & EQUIPMENTS

All tools and soiled areas have to be cleaned with water immediately after use.

STORAGE AND SHELF LIFE

Techcryst 2K Super Strong can be used for a period of at least six months when stored in a dry and cool place sealed in its original containers.

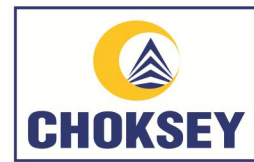
PACKING

Techcryst 2K Super Strong is supplied in:

- Component A: 25 kg
- Component B: 8 kg plastic containers.

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PRECAUTIONS

- Contains Portland cement
- Use hand gloves as material is alkaline in nature.
- Clean with plenty of water if any splashes occur on eyes.
- Seek medical attention immediately if swallowed, do not induce vomiting.

DISCLAIMER

- The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential non performance.