

CRESPROOF CC provides total and permanent waterproofing solution to water leakage, ingress or seepage in concrete structures or any cementitious substrates due its unique, surface applied penetrative capillary water proofing system. It works through internal crystallization that seals the pores and hairline cracks in the concretes thus blocking effectively further passage of water. The active chemical in **CRESPROOF CC** serves as a catalyst to re-activate crystallization process every time water penetrates into the structure through newly formed capillaries therefore ensuring permanent water tightness.

ADVANTAGES

- Easy to mix and apply
- Effective treatment for hydrostatic conditions.
- Suitable for sunlight exposure after curing.
- Can be applied to the positive or the negative side of the concrete surfaces.
- Reduces penetration of water and other liquids.
- Resists chemical attack of sewage and industrial wastes.
- Can be applied to damp concrete.

USES

- Sewage treatment and water treatment plants.
- Reservoirs and water holding structure.
- Swimming pools
- Foundations.
- Industrial plants and office buildings.
- Retaining walls and slabs.
- Parking decks

SURFACE PREPARATION

The substrate to be treated must be perfectly sound, clean, free from grease, dust and foreign matters. The surface to should be pre-saturated with water prior to application. However, any standing water shall be removed prior to application.

Any damaged areas of surface irregularities should be repaired using one of the CRES range products. Ensure that the substrate is saturated substrate dry before applying **CRESPROOF CC**.

MIXING

For best results, add the clean, potable water to CRESPROOF CC and not the reverse. Add the powder to the water and mix for 3 minutes till a lump free and homogenous mix is obtained. The average water demand for a fluid consistency 6.5 L to 8 L for one bag of 20 Kg. Do not mix more material than can be used in 20 minutes. If mixture thickens, re-stir to reduce consistency. Do not add extra water. For summer season, use cool water to achieve the fluid consistency.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Grey / White	-
Mixed specific gravity @25°C	1.6 (±0.1)	ASTM D1475
Pot Life @25°C, min	>60	ASTM D2471
Application Temperature, °C	5 to 45	-
Full cure @25 °C	5 to 7 Days	-
Water Penetration Depth, @mm	Nil	BSEN 12390-8
Water Vapour Transmission, g/m2h	1.91	ASTM E96

All values given are subject to 5-10% tolerance.

The drying time depends on the type of substrate, temperature, humidity and thickness.

PRODUCT APPLICATION

CRESPROOF CC slurry coat may be applied with a brush (synthetic bristle), broom, or plaster sprayer at a rate of 1.3 to 1.6 kg/m² in two or three layers. Be sure to work slurry well into openings, rough surfaces, joints and routed out areas. Apply second coat, when required, when first coat has taken an initial set. If first coat has dried out, moisten surface before applying second coat.

After 6 - 8 hours apply the second coat 'green on green' so that a chemical bond is achieved between the two coats. Do not apply more first coat during a day's work session than can be overcoated with a second coat during the same day. When applying **CRESPROOF CC** by spray using a hopper gun, ensure that the gun is held directly perpendicular to the surface at a distance of about 500 mm to ensure that the maximum impact energy is applied to the surface and to prevent any shadowing across small surface imperfections.

CURING AND PROTECTION

Keep moist for a minimum of 24 hours after the application of **CRESPROOF CC**. After initial set, moist curing by continuous water spray. Treated surfaces shall be fog sprayed three to four times daily for 48 hours. For warmer climates, more frequent spraying may be required. It is important to keep the **CRESPROOF CC** Crystalline moist to allow the crystal formation to occur. Protect surfaces from foot traffic for 48 hours or heavy traffic for 7 days. Protect **CRESPROOF CC** from extreme weather conditions such as rain, strong winds, high temperatures and freezing for a period of not less than 48 hours after application.

PACKING

CRESPROOF CC is supplied in 20 kg bag.

STORAGE

Store in a clean dry area protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months

CLEANING

Wash tools and hands promptly with water before the materials hardens. Cured material must be mechanically removed.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

LIMITATIONS

CRESPROOF CC could not be used as an additive to concrete or plasters. Do not apply the temperature below 5 °C. Do not apply higher thickness to avoid possible crack appearance.

HEALTH AND SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.