

CRES[®]PROOF 101

Two component high elastomeric cementitious coating

CRESPROOF 101 is cement based coating for masonry and concrete, resistant to positive and negative water pressure. It is a 2-component product: Part A: ready mixture of cement, sand and additives. Part B- Mixed liquid based on resins and additives. The product is non-toxic and can be in contact with potable water.

ADVANTAGES

- Easy to mix and apply
- UV resistance
- Vapour permeable
- Water based-Safe to use, low odour
- Excellent elongation and flexibility
- Good adhesion to both porous and non-porous surfaces
- Excellent protection to concrete substrates against carbonation and chloride attack
- Non toxic-suitable for contact with potable water tanks
- Increase frost and salt resistance.

USES

- General roof coating.
- Terraces and balconies.
- Foundation protection.
- Retaining walls and basements.
- Swimming Pools and thermal pools.
- Bridge structures.
- Wet areas like kitchen and bathroom.
- Potable water tanks.

SURFACE PREPARATION

The substrate to be treated must be perfectly sound, clean and free from grease, dust and foreign matters. The surface to be applied should be pre-saturated with water prior to application. However, any standing water shall be removed prior to application. Any cracks on the surface must be treated with suitable **CRES** range of products.

PREPARATION OF PRODUCTS

CRESPROOF 101 is supplied as powder (Part A) and liquid (Part B). Mixing can be carried out by mixing 1.0 part of powder with 1.0 part of liquid (by weight). Pour the liquid (2 cans) to a separate container and add the powder slowly to the liquid and mix using a low speed agitator/electric drill with mixing paddle attachment until to get lump free homogeneous mix.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Beige	-
Mixed specific gravity @25°C	1.3 (±0.1)	ASTM D1475
Pot Life @25°C, min.	>60	ASTM D2471
Elongation at break, %	>300	ASTM D412
Tensile strength, N/mm ²	>2.0	ASTM D412
Water absorption, %	<2	ASTM D570
Drying time @25°C, hr	6 – 8	-
Application Temperature, °C	5 to 45	-
Service Temperature, °C	-5 to 70	-

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

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

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PRODUCT APPLICATION

Each coat shall be applied @1.3-1.5 kg/m² which will give a dry film thickness of 1.0 mm for general waterproof coatings and protection depending upon the substrates. Second coat shall be applied after the first coat dries off completely (6-8 hours) which is recommended to apply in two coats to provide a minimum thickness of 1.8-2.0mm for heavily trafficked areas and water retaining structures. Third coat may be required in areas of extremely high infiltration. Do not mix more material than that can be used within the pot life. Part mixing can be carried out by mixing only exact half the quantity supplied on both components. Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result. Do not add water to dilute the material. Curing: Keep moist for 2 - 3 days after application as required. Protect from wind, heat and rain until fully cured. The coating will achieve its full mechanical properties within 7 days at 25°C & 50% RH.

APPLICATION TOOLS

Apply **CRES[®]PROOF 101** with a brush, roller, sweeper or trowel. Tools and equipment should be cleaned with water immediately after use.

PACKING

CRES[®]PROOF 101 is supplied in two components.

A: Powder component : 10 kg bag

B: Liquid component : 10 kg - 2*5 kg jerry can

Other packing's also available upon request.

STORAGE

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

SHELF LIFE

Shelf life of this product is 12 months from the date of manufacturing

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.