

CRES[®]PROOF 301

Two component cementitious waterproof coating

CRES[®]PROOF 301 is polymer modified cementitious coating. It is a 2-component product: A-Powder: ready mixture of cement, sand and additives. B- Mixing liquid based on resins and additives. The product is designed for vapor barrier protection and waterproofing.

ADVANTAGES

- Easy to mix and apply.
- No added water required.
- 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.

USES

- General roof coating.
- Terraces and balconies.
- Moisture vapour barrier on facade damp proofing.
- Swimming Pools.
- Wet areas like kitchen and bathroom.
- Internal lining for 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 should be pre-saturated with water prior to application. However, any standing water shall be removed prior to application.

PREPARATION OF PRODUCTS

CRES[®]PROOF 301 is supplied as powder (Part A) and liquid (Part B). Mixing can be carried out by mixing 3 parts of powder with 1 part of liquid (by weight). 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	Light grey/ dark grey/ white	-
Mixed specific gravity @25°C	1.80 (±0.05)	ASTM D1475
Pot Life @25°C	> 60 min	ASTM D2471
Elongation at break, %	> 60	ASTM D412
Tensile strength, N/mm ²	> 0.8	ASTM D412
Water absorption, %	< 2	ASTM D570
Drying time @25°C	6 – 8 hrs	-
Application Temperature, °C	5 to 40	-
Service Temperature, °C	-5 to 70	-
Pull-off Strength	> 1.25	ASTM D4541
Hydrostatic Pressure @ 5 bar	No Leakage	BS EN 12390:2019
Crack bridging ability	0.6 mm	ASTM C 1305

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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APPLICATION

Each coat shall be applied @1.8-1.9 kg/m² which will give a dry film thickness of 1.0 mm for general waterproof coatings, vapour barrier 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 1.8-2.0 mm for heavily trafficked areas and water retaining structures. Third coat may be required in areas of extremely high infiltration.

APPLICATION TOOLS

Apply **CRES[®]PROOF 301** with a brush, roller, sweeper or trowel. Tools and equipment should be cleaned with water immediately after use. Under normal circumstances, when the full quantities of both components are mixed together, a slurry consistency will result. The consistency of the mix can be altered by reducing the amount of Part B (liquid) to be used. For trowel application, use only 90% of Part B (approximately 4.5 kg). For roller application, mix water maximum of 1 to 1.5 lit (kg) for 20 kg pack. For better brush application consistency, if required mix 500ml of water for 20 kg pack.

Curing: Keep moist for 2 - 3 days after application as required. Protect from wind, heat and rain until fully cured.

PACKING

CRES[®]PROOF 301 is supplied in two components.

A: Powder component : 15 kg bag

B: Liquid component : 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

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.

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.