

CRES® COAT HB 102

High build rubber modified bitumen emulsion

CRES COAT HB 102 is a single component, cold applied high build polymer modified rubberized bitumen emulsion which cures to provide heavy duty seamless rubber like membrane for use in waterproofing and damp roofing concrete and masonry surfaces above and below grade. The elastomeric membrane is characterized by its high solid content while retaining a relatively high degree of workability.

USES

- Damp proof membrane in sandwich panel construction
- Wet areas such as kitchen, bathrooms etc.
- Curing membrane cum protective coating for sub structure
- Facade damp proofing.
- Waterproofing of concrete, brick foundation, retaining wall, basements and columns etc.

ADVANTAGES

- Single component, ready to use
- Excellent flexibility
- Resistant to chlorides and sulphates usually present in the soil
- Non-flammable and non-toxic
- Forms a seamless, rubberized asphalt membrane on both horizontal and vertical surfaces.

SURFACE PREPARATION

All Surfaces should be sound, clean and free from contaminants, Loosely adhering particles such as cement, laitance, rust scales etc. should be removed by suitable means. Concrete should preferably be dampen with water. In kitchens & wet areas all the opening should be properly sealed. On all weak points such as cracks or around the pipes use a fiberglass mesh as reinforcement between the two coats of **CRES COAT HB 102**.

APPLICATION

It can be applied by brush, squeegee or spray. Hot, dry or very porous substrates should be dampened with clean water prior to application of **CRES COAT HB 102**. When two or more coats are required, it is important that the preceding coat is fully dry before the successive coat is applied. Coat should be brushed at right angle to each other. **CRES COAT HB 102** also act as a non-degradable curing membrane, hence it may be applied immediately after the removal of mould to the concrete structure.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Brown Liquid	-
Specific gravity @25°C	1.0 (±0.02)	ASTM D1475
Solid content, %	60 (±2)	ASTM D1644
Rubber Content, %	~12	ASTM D1644
Drying Time @25°C	2-4 hours(Touch Dry)	-
Full dry @25°C	7 days	-
Elongation at break, %	> 900	ASTM D412
Tensile Strength, N/mm ²	> 0.1	ASTM D412
Adhesion to concrete	> 5.0	ASTM C836
Water Resistance	No softening, loss of adhesion or re-emulsification	ASTM D2939
Low temperature crack bridging flexibility	No sign of cracks, loss of adhesion or any other of failure was observed	ASTM C836

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

CRES COAT HB 102 conforms to the requirement of ASTM C309.

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

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CRES COAT HB 102 must be stirred well before use. If a primer coat is applied, allow it to dry completely before applying subsequent coats. Do not apply **CRES COAT HB 102** to outside areas in wet weather or when rain is expected. Protect freshly applied product from rain until it's fully cured.

CLEANING

Clean tools and hands with cold water when wet and use kerosene or solvents when dry.

COVERAGE

Depending on the dry film thickness required, apply the Polymer modified rubberized bitumen coating.

Damp Proof Membrane/Vapor barrier:

Apply two coats at 250-350 g /m² /coat.

Waterproof membrane:

Apply two coats at 1.0 kg /m² /coat.

Curing Membrane:

Apply two coats at 0.4-0.5 kg /m² /coat.

PACKING

CRES COAT HB 102 is supplied in 200 liter drum, 20 liter pail.

STORAGE

CRES COAT HB 102 must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

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

It is non-hazardous and non-flammable emulsion. Always wear hand gloves, safety shoes and safety goggles while using and handling this product. Avoid contact with skin and eyes. When contact with eyes, wash with plenty of water and seek medical facilities immediately.

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.