

CHEMFLEX CR100

WATER BASED BITUMEN EMULSION COATING

DESCRIPTION

CHEMFLEX CR100 is an emulsified thixotropic bitumen protective coating. The coating dries to form a black flexible protective film. The finished film forms a tough barrier to vapor transmission.

CHARACTERISTICS

- ⇒ Resists the attack for salts like chlorides and sulphates that are present in the soil.
- ⇒ Easy to apply.
- ⇒ Adheres to concrete, metal, wood, cork, etc.
- ⇒ Can be applied in closed or confined spaces.
- ⇒ Versatile and economical.
- ⇒ Cold-applied.
- ⇒ Non-flammable.

FIELDS OF APPLICATION

CHEMFLEX CR100 is used for providing damp-proofing for below ground concrete structures of which are above water table. This can also be used as priming coat or protective coating for built-up roofing systems and other exposed surfaces. The coating is also used as a moisture vapor barrier on block works and concrete surfaces prior to cladding.

APPLICATION INSTRUCTIONS

The application temperature should be between 4 °C to 45 °C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the bitumen coating is as follow:

SURFACE PREPARATION

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease.

All surface imperfections, nail head protrusions, structurally unsound and friable concrete shall be removed and repaired with a suitable concrete repair mortar.

PRIMING

The primer coat can be made on site by diluting the same bitumen emulsion with 20% water. The primer may be applied by brush or roller. Allow the primer to dry before any further coats are applied.

However, if the primer after application is left open for more than 24 hours after it becomes dry, clean the surface of any settled dust and apply a fresh coat or primer.

TYPE



ADVANTAGES



COVERAGE (PER COAT)

4-5 m²/L

COATINGS

1 coat (min)

COMPONENT

1
PART

CHEMFLEX CR100

WATER BASED BITUMEN EMULSION COATING

TECHNICAL SPECIFICATION

Properties	Test Standards	Value
✓ Form	-	Thick viscous liquid
✓ Color	-	Dark Brown
✓ Density, g/cm ³	ASTM D 2939	1.02 ± 0.02
✓ Solids Content, %wt	ASTM D 2939	55 ± 5
✓ Firm Set, hours	ASTM D 2939	24
✓ Application Temperature, °C	-	5 to 45
✓ Service Temperature, °C	-	-5 to 75

APPLICATION

Mix the contents of the pail or drum for 2-3 minutes to remove any sediments. Apply the coating at 4-5 m²/L to a clean smooth and dry surface by brush/roller. Dry film thickness will achieve about 125 microns.

Further coats shall be applied only after the previous coat dries off completely.

However, the coverage depends on the smoothness and porosity of the substrate and the require thickness of the coating

PROTECTION

The coating shall be protected from ongoing site activities and during backfilling from getting damaged by a 500 gauge polyethylene sheet or CHEMIND's PROTECTOBOARD.

COVERAGE

4-5 m²/L per coat will give a DFT of 125 microns.

The coverage will depend on the porosity of the substrate.

SUPPLY

20 litre pails or 200 litres drums.

STORAGE AND SHELF-LIFE

A shell-life of up to twelve (12) months can be expected if stored out of direct sunlight whenever possible.

HEALTH AND SAFETY

Protective clothing such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately.

Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

Legal Notes:

'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.



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