



ADHERE BONDS
The Versatile Construction Chemicals



ADHERE BONDS - BITU COAT

BITUMAN EMULSION WATERPROOFING

Description

ADHERE BONDS - BITU COAT 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.

Typical Applications

ADHERE BONDS - BITU COAT is used for providing damp proofing for below ground concrete structures which are above the water table. The coating is also used as a moisture vapor barrier on block works and concrete surfaces prior to cladding. This can also be used as the protective coating for built up roofing systems along with fabric.

Features

- Resists the attack of salts like chlorides and sulphates that are present in the soil.
- Easy to apply
- Cold applied
- Adheres to concrete
- Can be applied in closed or confined spaces
- Water-based
- Non-flammable
- Versatile
- Economical

Packaging

5 & 20 Ltr

Method of Application

- The application temperature should be between 5°C to 55°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the bitumen coating is as follows:

1. SURFACE PREPARATION

- The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease.
- All surface imperfections and protrusions are to be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable repair mortar or PMM.

2. PRIMING

- Primer is always recommended prior to coating as it not only penetrates into the concrete pores and seals the substrate. It also acts as an adhesion promoter for further coatings. The primer coat can be made in the site by diluting the same bitumen emulsion with 20% water. The primer may be applied by a brush, roller or airless spray. 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 of the primer.

3. APPLICATION

- Stir the contents of the drum thoroughly prior to application to remove any sediment. The application can be done with a roller, brush or airless spray. Apply the coating at a coverage rate of 4 sqm/ltr/coat, depending on the dry film thickness required. 2nd coat to be applied in a direction perpendicular to the 1st coat.

Note:

Whilst any information and / or specification contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendation or suggestions made by us, our representatives, agents or distributors as the conditions of use of any labour involved are beyond our control.

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Precautions & Limitations

- Do not apply ADHERE BONDS - BITU COAT directly in open sunlight when temperature is higher than 55°C.
- The coating shall be protected from on going site activities and during back filling from getting damaged by a 150 micron polyethylene sheet.

Technical Information

PROPERTIES	TEST STANDARDS	VALUES
Form		Thick -Viscous Liquid
Color		Dark Brown
Density, [g/cc]	ASTM D 2939	1.02+/-2
Solid content,[%]	ASTM D 2939	(35 ± 5%)
Firm set[hrs]	ASTM D 2939	24
Application temp,[°C]		5 to 55
Service temp,[°C]		- 5 to 75

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

Theoretical Coverage

- When applied at 4m²/ Ltr/ coat, the dry film thickness achieved will be 125 microns. Further coats shall be applied only after the previous coat dries off completely.

*Coverage may vary depending upon the texture and porosity of the surface

Shelf Life

- The drums and pails must be stored in a covered area, away from direct sunlight, UV and other sources of heat.
- The shelf life is up to 12 months when stored as per recommendations.
- Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.

Health & 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 accidental 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.

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