

CCI NEOCOAT BT 40

Bitumen Emulsion Paint

Description

CCI Neocoat BT 40 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.

Domains of Application

- ✓ Can be used for damp proofing for below ground structures which are above the water table.
- ✓ Used as a moisture vapour barrier on block works and concrete surfaces
- ✓ As a protective coating for built-up roofing systems along with fabric

Advantages

- ✓ 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
- ✓ Nonflammable
- ✓ Versatile

Indicative Characteristics

Form	Thick-Viscous liquid
Colour	Dark brown
Density, g/cc, ASTM D2939	1.02 ± 2
Solid content, %, ASTM D2939	35 ± 5
Firm Set, ASTM D2939	24 hours
Application temperature, °C	5 to 55
Service temperature, °C	-5 to 75

Note: All values given are subject to 5% to 55% tolerance.

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 are as follows:

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.

Priming

- ✓ Primer is always recommended prior to coating as it not only penetrates into the concrete pores and seals the substrate but 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.

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 m²/L per coat, depending on the dry film thickness required.
- ✓ Second coat to be applied in a direction perpendicular to the first coat.

Theoretical Coverage

When applied at 4m²/L per 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.**

Packaging

5 L and 20 L.

Shelf life & Storage

12 months from the date of manufacturing if stored in unopened containers at normal ambient temperatures range from +5°C to 40°C.

The drums and pails must be stored in a covered area, away from direct sunlight, UV, and other sources of heat. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.

Precautions

- ✓ Do not apply **CCI Neocoat 40 BT** directly in open sunlight when temperature is higher than 55°C.
- ✓ The coating shall be protected from ongoing site activities and during back filling from getting damaged by a 150-micron polyethylene sheet.

Health & Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.
- ✓ Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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