

## INOCOAT RB 50

---

### Latex Modified Bitumen Emulsion

**Inocoat RB 50** is an emulsified bituminous coating modified with 10% Styrene Butadiene Rubber, which dries to form a tough and seamless, flexible water and vapor proof protective coating

### CHARACTERISTICS

- ❖ Cold applied.
- ❖ Single component, easy to apply.
- ❖ Can be applied on damp substances.
- ❖ Dual advantage of curing as well as protection of concrete.
- ❖ Asbestos free, odorless. Can be applied in closed or confined spaces.
- ❖ Water -based and therefore is non-toxic.
- ❖ Environmentally friendly.
- ❖ Good resistance against chloride and sulphate ions.
- ❖ Has good adhesion to most building substrates.
- ❖ Seamless/ joint free.

### FIELDS OF APPLICATION

Can be used for a wide variety of application, which includes the following:

- ❖ Waterproofing & protective coating on concrete foundations.
- ❖ As a curing compound on freshly cast concrete structures.
- ❖ As damp proof membrane in sandwich construction.
- ❖ Waterproofing in wet areas such as toilets, kitchen etc.
- ❖ General vapor proof coating for both interior and exterior floors and walls.

### APPLICATION

Application procedures may vary slightly depending upon site condition. The general recommended guideline for application of the bitumen coating system is as follows:

#### Surface preparation

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil, grease. Light mechanical grinding/ grit blasting/ high pressure water jet may be used to clean the surface of the contaminants on the degree of contamination on the surface to be coated.

All surface imperfection and protrusion shall be removed and repaired. Structurally unsound and friable concrete must be removed and repaired with a suitable concrete repair mortar.

### Priming

It is highly recommended to apply a primer coat prior to the application of the **Inocoat RB 50** coating on the substrate. The primer can be prepared in the site by diluting **Inocoat RB 50** with 20% of water and applying this diluted coat as the primer. For very dry and porous substrates apply two coat of this primer. The primer can be applied to damp or not be applied on waterlogged or flowing water areas. Further coats shall be applied only after the primer coat dries off completely. In case of delay in application of the top coat for more than 24 hours, a fresh coat of primer shall be re-applied.

### Foundation Waterproofing

Stir the contents of the drum thoroughly before application to remove all sediments. Depending on the dry film thickness required apply the rubberized bitumen coating @1-2m<sup>2</sup>/lt./coat. On vertical areas, it is recommended to apply the coating in multiple layers in order to avoid sagging of the heavy bodied coating. Subsequent coats shall be applied only after the pervious coat dries off completely and shall applied at right angles to the pervious coats. Clean dry sand may be broadcasted onto the wet coating to provide a key for the subsequent coats and achieve a greater dry film thickness. The coating should be applied and finished up to the DPC level. If a plaster or cement render is to be applied on the bitumen coated surface, clean dry sand shall be broadcasted on to the coating whilst it is still wet. Leave the coating for curing for a minimum period of 48 hours before applying any protection board or backfilling. Care shall be taken to ensure that the first coat is not be punctured during the application of the second coat. However, if the coating is damaged the area can be readily over coated provided the surface preparation is done properly.

### Protection

**Inocoat RB 50** coating should be protected from getting damaged due to the ongoing site activities and during backfilling.

Coating laid on horizontal surface can be protected either br a cement sand screed (50mm thick) or by an asphaltic protection board. Alternatively, a 1000 gauge polythene sheet can also be used for protecting the coating in areas where the backfill material in not very coarse.

### COVERAGE

The coverage varies depending on the type of use:

General Use	:	1-2 m <sup>2</sup> /lt./coat
Curing compound	:	5m <sup>2</sup> /lt./coat

## CLEANING

Clean all tools immediately after use with clean water. Hardened material can be cleaned with a suitable cleaner.

## STORAGE & SHELF LIFE

This pails and drums must be stored in a covered area, away from direct sunlight, UV and other source of heat.

The shelf life of the product is up to 12 month in un-opened condition and when stored as per recommendations. Failure to comply with the recommended storage condition and exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

## HEALTH & SAFETY

As with all bitumen product caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting. Call for medical help immediately.

## SUPPLY

INOCAT RB 50                      200 Lt. Drums

## TECHNICAL PROPERTIES

PROPERTIES	VALUES	TEST STANDARDS
Color	Dark Brown	-
Form	Thixotropic viscous liquid	-
Density @25° (g/cc)	1.04±0.02	ASTM D 1475
Bitumen Content, (%)	> 50	ASTM D 2939
Rubber Content, (%)	> 10% on the dried film.	ASTM D 1644
Elongation, (%)	> 500	ASTM D 412
Drying time @ 25°C, (minutes)	60	-
Application temperature	5°C to 50°C	-
Service temperature	-5°C to 100°C	-



All values given are subject to 5-10% tolerance

This data is provided in the belief it is accurate with in generally accepted standards and is provided for the information of qualified personnel. It does not constitute an offer by the manufacturer warranty or guarantee its accuracy or completeness is describing the performance or suitability of the various products. The users therefore should make their own determination in using the product of the data contained here in for any application.