

# Technical Data Sheet - TDS



## CHEMCON

## RocCoat RBE 10X

Rubberized bitumen emulsion,  
Flexible vapor proof membrane

### PRODUCT DESCRIPTION

**RocCoat RBE 10X** is a thixotropic cold applied rubberized bitumen emulsion. The product is a single component dark brown liquid, which dries to provide a flexible, resilient coating.

Specially formulated as a waterproof and damproofer for foundations, floors, walls and roofs, it is also highly effective as an adhesive for bonding wood blocks and wood mosaics, insulation boards, cork tiles and expanded polystyrene.

### APPLICATION AND USAGE

- ▶ RocCoat RBE 10X is suitable for use for protection of all types of concrete and many adhesive applications.
- ▶ Tanking and waterproofing below ground structures providing an impervious membrane.
- ▶ As a highly effective vapour sealer and curing compound.
- ▶ For sandwich membranes in new floors.
- ▶ As an adhesive for wood blocks, mosaics insulation boards, cork tiles and as a key prior to plaster or rendering.

### ADVANTAGES

**RocCoat RBE-10X** combines the waterproofing benefits of bitumen with the elongation and crack bridging benefits of rubber latex. The result is a durable yet flexible membrane for all waterproofing applications. Curing and waterproofing can be completed in one application

### DIRECTIONS FOR USE

**Surface Preparation:** Surfaces to which RocCoat RBE 10X is to be applied must be clean and free of dirt, dust, rust or any other material which may impair adhesion. Where moss or lichen is present, remove sheets. Cut and reseal blisters in asphalt or roofing. Remove chippings other than those that form the surface of mineralized felt. Porous surfaces such as concrete and fiber reinforced cement should be primed using RocCoat RBE 10X diluted 1: 6 with clean water.

Old concrete and steel must be structurally sound prior to application. Repair damaged concrete using either **Roc-Build HF** or **RocBuild NF**. Steel should be grit blasted and treated with **RocBuild ZP**.

**Foundation protection:** **RocCoat RBE 10X** can be applied directly to green concrete immediately after the shutters

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have been removed. Two coats should be applied at right angles ensuring complete coverage of the area. Clean sharp sand can be used to increase D.F.T. and to provide definition between coats.

**Sandwich Construction:** Apply 2 coats **RocCoat RBE 10X** onto the smooth, clean concrete sub-floor at the rate of 1m<sup>2</sup>/litre/coat. Whilst the second coat is still tacky, blind with clean sharp sand to give protection against foot traffic and provide a key for the subsequent screed. Ensure that the membrane is taken up the walls to marry with the damp proof course (DPC) and that the dried film is not punctured or damaged. Lay the screed to a minimum 50 mm thickness and allow to dry thoroughly before laying floor covering.

**Surface Treatment to existing floors:** Apply a priming coat @ 7.5m<sup>2</sup> per litre by diluting 1 part **RocCoat RBE 5X** with 6 parts clean, cold water. Allow to dry thoroughly. Apply 2 coats RocCoat RBE 10X @ 1m<sup>2</sup> /litre/coat, taking each coat up to joint with existing DPC. Ensure the dried film is not punctured or damaged before floor covering is laid.

**Watchpoint:** Floor coverings containing high amounts of solvent or plasticiser should not be laid over **RocCoat RBE 10X**.

## COVERAGE

Coverage rates vary according to the density, porosity and texture of the concrete to be treated. Typically a coverage rate of 2m<sup>2</sup> per litre for two coats will give 500 microns D.F.T. Minimum recommended coverage is 5m<sup>2</sup>/ litre, two coats required

## PACKING & STORAGE

**RocCoat RBE 10X** is supplied in 15 & 200 litre units. Store in shaded warehouses away from heat, humidity or moisture. Shelf life will be 12 months.

## HEALTH & SAFETY

As with all **CIL** chemical products, care should be taken to avoid contact with skin, eyes, mouth and foodstuffs. Treat splashes to eyes and skin immediately, by thorough washing with clean water. If ingested seek medical attention.

## TYPICAL PROPERTIES

Appearance	Dark brown liquid
Service temp.	-25°C to 85°C
Density ASTM D 2939	1±0.05 @25°C
Application temp	+ 5°C to + 60°C
Flash Point	Non Flammable
Solid Content, [%]	40 ± 5 approx ASTM D 2939
Drying time	60 minutes
Flash Point	Non-Flammable
VOV(g/l) ASTMD396 0/d2369	Less than 50

## OTHER BONDING AGENTS AND TILING PRODUCTS AVAILABLE FROM CIL.

**RocCrete C40** - acrylic modified, flexible cementitious, protective coating.

**RocCoat WBX-** Bitumen emulsion foundation protection coating.

**RocCoat SBX** - solvented coating & primer.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Product representative or visit our website for current technical data and instructions.

### Disclaimer

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