Technical Data Sheet - TDS

||CHEMCON

RocCoat RBE 5X

Rubberised bitumen emulsion, Flexible vapor proof membrane

PRODUCT DESCRIPTION

RocCoat RBE 5X 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 5X 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.

ADVANTAGES

▶ **RocCoat RBE 5X** 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.

DIRECTIONS FOR APPLICATION

Surface Preparation: Surfaces to which **RocCoat RBE 5X** 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** diluted 1: 6 with clean water.

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

Foundation protection: Roccoat RBE can be applied directly to green concrete immediately after the shutters have been removed. Two coats should be applied at right 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 5X onto the smooth, clean concrete sub-floor at the rate of 1m2/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 @ 7.5m2 per litre by diluting 1-part RocCoat RBE 5X with 6 parts clean, cold water. Allow to dry thoroughly. Apply 2 coats RocCoat RBE 5X @ 1m2 /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. Watch-point: Floor coverings containing high amounts of solvent or plasticizer should not be laid over RocCoat RBE

PACKING & STORAGE

RocCoat RBE 5X is supplied in 15 & 200 liter 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.

OTHER PRODUCTS AVAILABLE FROM CIL.

▶ **RocCoat RBE 10X -** Rubberised bitumen emulsion, Flexible vapor proof membrane.

▶ **RocCoat SBX -** Solvent based bitumen coating and primer.

▶ **RocCoat WBX -** Emulsified bitumen protective coating.

▶ **RocCoat RBE 15X -** Rubberised bitumen emulsion, Flexible vapor proof membrane.

TYPICAL PROPERTIES

Appearance	Dark brown liquid
Service Temp.	-25ºC to 85ºC
Rubber Content %	5±1%
Drying time	60 minutes
Density ASTM D1475	1±0.05 @25ºC
VOV(g/l) ASTMD3960/d2369	Less than 50
Flash Point	Non-Flammable

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.

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