

# ZELOGUARD RBE

Single component cold applied rubberized bitumen emulsion.



# TECHNICAL DATA SHEET

## DESCRIPTION

- a single component dark brown liquid thixotropic cold sprayed rubberized bitumen emulsion that dries to give a flexible, resilient protective coating.

## PRODUCT FEATURES

- Zeloquard RBE combines the waterproofing benefits of bitumen with the elongation and crack bridging benefits of rubber latex. This produces a durable and flexible membrane that can be used for all waterproofing applications. One application can be completed for curing and waterproofing.
- Zeloquard RBE is a single component, solvent free material, non flammable and non toxic.
- Protect against chloride and sulphate attacks.
- Zeloquard RBE is simple to apply, inexpensive, and resistant to salts and sulphates commonly found in ground conditions.

- **Typical uses:**

- Zeloquard RBE is appropriate for protecting all types of concrete as well as plenty adhesive applications such waterproofing basement buildings with an impenetrable membrane. As an effective vapor sealer and curing substance. Specially formulated water proof and coating for foundations, floors / walls internal and external in new floors. It's also an excellent adhesive for wood blocks, wood mosaics, insulation boards, cork tiles, and expanded polystyrene.

- **Applications Instructions:**

- Surface Preparation; the surface must be clean and free of dirt, dust, corrosion, or any other material that may interfere with adhesion.
- Porous surfaces, like concrete and fiber reinforced cement, should be primed with a 1:4 dilution of Zeloquard RBE in a clean water.
- Prior to application, old concrete and steel must be structurally stable and damaged concrete must be repaired. Steel needs to be blasted and treated.

- **Substructure protection:**

- Zeloquard RBE can be applied directly to green concrete after the shutters are removed. Two coats at right angles should be applied to provide complete coverage of the area. DFT can be increased by using clean, sharp sand.

- **Application:**

- Apply two coats Zeloquard RBE @ 1m<sup>2</sup> / liter / coat to the smooth, clean concrete subfloor using brushes, rollers or in a continuous uniform coating. Apply the second coat of Zeloquard RBE in the same manner as soon as the first coat has dried. While the second coat is still tacky, blind it with clean, sharp sand to provide protection from foot traffic and a key subsequent screed. Make sure that the membrane is taken up the walls to be linked with the damp proof course and that the dried film is not damaged. Lay the screeds to a minimum thickness of 50 mm and allow them to cure sufficiently before installing the floor covering.

- **Important Notes:**

- Zeloquard RBE must be protected by separation layer of geotextile or any plastic sheet before floor covering which is not containing high amounts of solvent or plasticizer.
- The drying time is determined by the surface and atmospheric conditions.
- For curing, allow Zeloquard RBE to dry for a minimum of 24 hours before backfilling.

- **Packing:**

- Keep in a cool, dry storage in manufacturer-sealed containers for up to 12 months
- 140 ltrs, 18 liters and 180 liters drums are available. Reseal after use, and make sure the product is stored in accordance with the label's instructions.

- **Health & Safety:**

- Zeloquard RBE contains no hazardous substances; however, it should not be permitted to come into contact with skin and eyes. Wear appropriate protective gloves and goggles while
- using. When in contact with the skin and eyes, wash totally and quickly with warm water.
- Seek medical attention if you have swallowed something. Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations. Do not expose products to fire or naked flames under any circumstances.

- **Properties**

- Appearance: Dark Brown liquid dries to black flexible membrane
- Flash Point: Non-Flammable
- Solid Content: 35%
- Rubber Content 6% Min in DFT
- Specific Gravity: 1.01 @25oC
- Ph: 10.0-12.0
- Application Temp: +50C to 600C
- Dry Time: 2-3 hours
- Over Coating Time : 3 hours
- Min Standards Complies: ASTM D2939 & BS 8102