



## **Buildcoat-RBE** (High performance, Rubberised Protective Coating for PU Foams)

*Buildcoat-RBE is a ready to use, bitumen emulsion modified with rubber latex for waterproofing & damp proofing applications; which cures to form a high build, seamless, flexible and durable membrane that adheres well to most of the common substrates e.g. concrete, cement blocks, wood, roof felt & is highly resistant to chlorides and sulphates commonly present in the soil.*

**Uses:** It can be used for many applications, but commonly uses are:

- Waterproofing of concrete foundations, block foundations, retaining walls, basements, and wet areas such as kitchen, toilet, balconies, corridors, etc.
- Damp proofing of sandwich panel, façade damp proofing, etc.
- Curing membrane cum protective coating for sub structures, etc.

### **Advantages:**

- Single component, ready to use
- Resistant to temperatures from -20<sup>0</sup>C to +100<sup>0</sup>C
- Easy to use for many applications including applicable on damp surfaces
- Non-flammable, Non-toxic, Environment friendly
- Resistant to chlorides & sulphates usually present in the soil

### **Directions for use:**

**Surface Preparation:** Substrates should be strong, clean, free from dust, oil, grease, paint, laitance etc. to provide a 'key' for the **Buildcoat-RBE**. The clean surface should be dampened with water until it is saturated dry prior to the application of the bonding primer. Failure to do this will result in rapid drying of the primer and the becoming unworkable. All excess water must be removed prior to application.

**Mixing:** Mix and stir **Buildcoat-RBE** in the same container thoroughly until a homogenous thick brown liquid is formed.

**Priming:** If the substrate is porous, it is recommended to prime the substrate diluted in ratio of one part of Buildcoat-RBE and two parts of water and mix to a homogeneous liquid and apply by brush or roller @ 300gm/m<sup>2</sup> per coat.

**Waterproofing Application:** Apply the material on the surface using brush or roller @ 500gm/m<sup>2</sup> per coat. A second coat is applied at right angle after the first coat is fully dry. It is recommended to apply two coats of **Buildcoat-RBE** to get a dry film thickness of 2.5mm (approx). Embed glass fibres mesh around pipes, over cracks, ridges of the roof, joint movements, corners & edges, gutter channels, etc. A third coat may be applied where pedestrian traffic is expected.

**Curing Application:** **Buildcoat-RBE** also acts as a curing membrane; hence it may be applied to fresh concrete immediately after the removal of formwork, eliminating the need of conventional curing with water.

Buildcoat-RBE is recommended as curing membrane only for surfaces which have no aesthetic value such as sub-structures of buildings. It should not be used as curing membrane on surfaces to be painted.

### **Working Time:**

Working time for Buildcoat-RBE is approximately 24 hours at 25<sup>0</sup>C.

### **Curing:**

**Buildcoat-RBE** applications are commonly on cement based products and in common with all such materials, must be cured in accordance with good concrete practice. Each application should be allowed to cure for a minimum of 8 hours before subjecting to full service conditions.

### **Typical Properties:**

Appearance	: Thick brownish emulsion
Specific Gravity	: 1.05 ± 0.01
Non-volatile content	: 65% (approximately)
Rubber Content	: 10% (approximately)
pH Value	: 10 to 12
Drying Time	: 1-3 hours for re-coat
Full dry	: 2-3 days
Softening Time	: 120 <sup>0</sup> c
Elongation at break	: 300%

### **Standards:**

BS 102 – Protection of Buildings against ground water  
ASTM C: 309:1998 – As curing membrane

**Pack Size:** 200 kg drums



**BUILD PLUS**  
CONSTRUCTION CHEMICALS

#### Code of Practice:

**Buildcoat-RBE** should be applied in accordance with up-to-date relevant British Standard or BS Codes of Practice, details of which can be obtained from British Standard Institute, British Standard House, 2 Park Street, London W.1.

#### Storage:

**Buildcoat-RBE** should be stored in tightly sealed original factory containers. Store in a horizontal position to prevent moisture accumulation on the drum head, protect from freezing and keep out of direct sunlight.

#### Shelf Life:

12 months in a properly closed container. As usual with such adhesives, protect from extremes of heat and cold. Do not store in open and always rotate stock, using oldest material first.

#### Handling:

**Buildcoat-RBE** is a non-flammable and non-toxic in nature. Avoid contact with eyes and skin as it may cause irritation due to its alkaline nature.

#### Cleaning:

Tools may be cleaned with water as long as the product is wet. Once dry, by mechanical means only.

#### Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

#### Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a GMC Management System to conform to the requirements of the quality, environmental, health & safety Standards.

#### Health & Safety Precautions:

**Buildcoat-RBE** is a non-toxic but it is mildly alkaline. During use, avoid contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

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