

AQUAPROOF - RBE

A rubber modified bitumen emulsion. It dries to form a black, flexible coatings

DESCRIPTION

AQUAPROOF - RBE is a rubber modified bitumen emulsion. It dries to form a black, flexible coating

SPECIFICATION

ASTM D 1227 Type III, Class 1.

Approvals / Certificates

Product Manufactured in Kuwait.

Manufacturing facility is certified with the ISO 9001:2015 QMS, GMP and ISO 14001 Environmental Management

CHARACTERISTICS / ADVANTAGES

- Single component and easy application (Brush, roller or airless spray)
- No heating required (cold application)
- Suitable for closed places application (solvent free)
- Can be applied over damp surfaces
- Excellent adhesion to substrate
- High resistance to dilute acids and alkalis
- Suitable for use for below ground concrete foundations, basements, and retaining walls, column necks, ground beams and other structures liable to be back filled.



TECHNICAL DATA

| PROPERTIES | RESULTS | UNIT | TEST METHOD |
|--------------------------------------|---|---------------------|--------------|
| Specific Gravity | 980-1040 | | ASTM D 2939 |
| Ash Content of Residue | < 8 | % | ASTM D 2939 |
| Water Content | 50 | % | ASTM D 95 |
| Residue by evaporation | 47 – 53 | % | ASTM D 2939 |
| Viscosity | 1500 – 2000 | Cps. | - |
| Firm Set | < 20 | Hr. | ASTM D 2939 |
| Drying Time | < 8 | Hr. | ASTM D 2939 |
| Rubber Content | 4% on dry film | % | |
| Coverage Rate Depending on substrate | 3 – 4 | m ² /kg. | - |
| Surface Finish | Smooth, Free from Sags, runs or surface imperfections | | ASTM D 1227 |
| Flammability | No tendency to flash or ignite | | ASTM D 93 |
| Adhesion Strength | Excellent | | ASTM D 1227 |
| Chemical Resistance | Excellent | | ASTM D 543 |
| Resistance to Artificial Sea Water | Film shows rating : 2 (S2) Exposed Metal: No Rust | | BS 6949:1991 |

| Coverage | |
|----------|---------------------------|
| 1 Kg | 3 to 4 m ² |
| 15 kg | 45 to 60 m ² |
| 180 Kg | 540 to 720 m ² |

GENERAL INFORMATION

Packaging

15-kg. pails and 180-kg. Drums

Shelf life

12 months from date of production if stored in original unopened packing in dry condition and away from sunlight.

Color

Dark brown liquid turns to black film after drying

INSTRUCTIONS FOR USE

PRIMING

Normally priming is not required, however priming the surface is recommended when the surface is very dry and porous. For priming use one coat of Bitugulf AQUAPROOF.

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SURFACE PREPARATION

Surfaces must be clean, sound and free from oil, grease, dirt, dust and loose particles. It is desirable to dampen the surface with water if the concrete or block work is dry.

APPLICATION

Stir well before use. As damp proof membrane, two coats of Aquaproof - RBE is recommended. Apply the first coat at a thickness of 200 to 500 microns. Allow a minimum 4 hours between the first coat and the second coat. The second coat should be applied at right angles As curing compound, one coat of Aquaproof RBE is sufficient it can be applied on the green concrete this would prevent rapid evaporation of water and formation of shrinkage cracks.

CLEANING TOOLS

Clean tools in soap and water immediately after use. Dried emulsion can be removed with the help of any solvent.

STORAGE

- Keep the products packed in a dry place.
- Keep away from direct sunlight.
- Do not place the pallets on top of each other.

HEALTH, SAFETY AND ENVIRONMENT

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas, and torch should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.

TECHNICAL SUPPORT

International Insulation Company (IIC) - Bitugulf technical support team consist of expert engineers offers a comprehensive service support to specifiers, end users and contractors, and on-site technical assistance.



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