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Product Profile No.2

EUROBIT 810 WB

Rapid Curing, Water Based, Liquid Applied Waterproofing

EUROBIT 810WB IS A WATERBASED LIQUID APPLIED, HIGH SOLIDS, HIGH PERFORMANCE, BITUMINOUS SOLUTION MODIFIED WITH SYNTHETIC POLYMERS.

Eurobit 810 WB is a water based rapid drying waterproof coating. Eurobit 810WB can be applied as is or with the addition of an accelerator to provide guaranteed cure times of 30 minutes when ventilation is poor or when ambient temperatures are below 10°C

Being Water Based, Eurobit 810WB is both environmentally and applicator friendly, and is designed to act as a green replacement for traditional solvated, pitch and bitumen modified urethanes systems without compromising performance.

1. Applications

- Roofs (non-exposed)
- Bathrooms, Kitchens & Shower Areas
- Floor Slabs
- Basements
- Swimming Pools
- Planter Boxes
- Roof Gardens
- Tunnels
- Bridge Abutments
- Concrete Reservoirs

2. Cost Benefits

- Simple and rapid application.
- Rapid Curing. Overcoat in **30** minutes.
- Can be applied to surface dry and green concrete, without primer.
- Tins can be opened and re-sealed with no surface skinning inside the can.

3. Guaranteed Durability

Eurobit 810WB is immediately impervious to water and when fully protected and subjected to normal service conditions, will provide an effective barrier to the transmission of liquid water and water vapour for the design life of the structure in which it is incorporated.

The product offers levels of protection required for below ground structures described in BS 8102 : 1990, grades 1,2,3 and 4.

4. Typical Physical & Performance Data

Form	Black Liquid
Specific Gravity	1.00
Non Volatile Content	85%
Solvent Type	Water
Water Vapour Permeability DIN 52615	45 X 10 ⁻¹² Kg / m ² sPa
Water Vapour Transmission ASTM E96	15.22g /m ² /24 hours
Coverage Rate	0.5 to 1.0 Lt / m ² / Coat (2 coats)
DFT of Coating	0.475mm to 0.90mm / Coat
Cure Time and Overcoat Time	2 hours @ 25°C
Cure Time and Overcoat Time (+ Accelerator)	30 minutes @ 10°C
Full Physical Properties	7 days
Adhesive Strength	> 0.5N/mm ²
Elongation	>1200%
Application Temperature Limits	5 to 50°C
Shelf Life	12 Months
Pack Sizes	20 & 200Lt
Mix Ratio (Accelerator)	20Lt : 300g

5. Installation

Substrates

New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material which could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.

Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate. Brickwork, blockwork and masonry should be flush pointed.

All substrates should be dry.

Application

Apply using a wide nylon brush, sheepskin disposable rollers or airless spray. The product must not be applied in wet or freezing conditions or if these conditions are likely to occur before the membrane has dried. The product is always applied in 2 equal coats, allowing the first coat to dry fully before a second coat or protection is applied. Normal recoat time is **2 hours** or **30 minutes** if accelerator is added. Clean tools using white spirit or Hydrocarbon solvent.

Coverage Rates

Coverage	Wet Film Thickness (Per Coat)	Dry Film Thickness (Per Coat)
0.5 to 1.0Lt / Mt /Coat	0.5 to 1.00 mm	475-900 microns

Two coat application.

Protection

The membrane must always be protected by a layer of concrete, a screed of 50 mm minimum thickness, or by brickwork or blockwork. Alternatively, the membrane should be protected during backfilling by a thickness of EP Protection Board. Care should be taken to avoid membrane damage during these operations.

Internal Tanking

When subjected to negative water pressure, the membrane should be internally loaded by erecting a single skin of brickwork or blockwork with a minimum 20 mm cavity. The cavity should be filled using an approved non shrink grout as construction proceeds.

Movement Joints

The membrane should be reinforced at movement joints using Euroseal 801 self adhesive membrane, and by applying additional layers of product in these areas. Refer to Euro Polymers for specific recommendations.

Day Joints

At day joints, the liquid membrane should overlap the existing cured membrane by at least 100 mm. If the lapping joint is dirty or contaminated, clean using an approved solvent.

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