



DURABIT EF

LATEX BASED WATERPROOFING MEMBRANE

Description

Durabit EF (Extra Flex) is a brushable, elasticised, environmentally friendly waterproof membrane available in white, grey and black. DURABIT EF is designed for use in demanding waterproofing internal and external applications and areas of significant movement, e.g. timber substrates. It cures to form a durable elastic, odourless and seamless impervious membrane. It will not re-emulsify once it has fully cured even if continually immersed in water, nor stain grout or tiles. DURABIT EF has excellent resistance to hydrostatic pressures.

Uses

Durabit EF has been specifically formulated for most waterproofing requirements including the long term waterproofing of wet areas within buildings (shower recesses, bathrooms, laundries), concrete and timber decks, terraces, balconies, roofs, flashings, planter boxes, retaining walls and more. It is suitable for tiling or topping. Important: Confirmation of suitability and application specification should be sought from the company or its agents regarding its use. DURABIT EF must be covered on external areas as it is not UV stable.

Substrates

Suitable for cementitious, concrete, masonry, fibre-cement and compressed sheeting, plaster board, timber, brick and render. When timber is used in wet areas, only suitably approved timber flooring systems should be used. Prime cementitious surfaces with DURAM WB PRIMER or PRIMESEAL. Prime timber surfaces with PRIMESEAL. Metal surfaces must be suitable primed. DURABIT EF may be applied to damp surfaces although freedom for surface

water and continual dampness is essential. Damp surfaces will increase drying/curing times.

Application

Stir well. Apply by brush, broom, squeegee or spray. A minimum of two brush coats are required, spray - single coat. To perform correctly the final dry film thickness must be 1mm. The second coat should be applied at right angles to the first after the preceding coat is dry. DURABIT EF is suitable for use with reinforcing fabric (DURASCRIM or fibreglass) as described in "High Movement Areas". Prime excessively porous and dusty surfaces with WB PRIMER or DURAM PRIMESEAL. For substrates with solar induced vapour transmissions which can cause bubbles in the membrane, first prime with WB PRIMER/ cement mix in accordance with label instructions. Important: If exposed to weather do not apply if rain is imminent, nor below 5°C.

Wet and High Movement Areas

Where potential high movement of the substrate is expected, such as floor and wall corners of shower recesses, wet areas, floor joints, cracks and expansion joints, a 50mm plastic bond breaking tape should be laid over these areas. A generous 150mm wide coat of DURABIT EF should be applied over these areas into which a reinforcing fabric (see above) should be embedded, followed by a saturating coat (ensure that the reinforcing fabric is completely saturated) and allowed to dry. A final coat should be applied and allowed to dry. Large or cracked concrete areas should have reinforcing fabric throughout. Complete application details are available from the company

or its agents.

NOTE: We recommend that timber floor shower recesses should be fully reinforced.

Waste Outlets

Flange fittings are recommended. The reinforced membrane should be laid over an area 150mm around the outlet and up and onto the flange plate, finishing to an internal clean edge. Where no flange is used the reinforced membrane should be laid in overlapping strips from 150mm around the outlet (which should be cut level with the floor) to 30mm inside it. Intercoat adhesion will be enhanced by wiping the first coat with DURAM SOLVENT allowing the solvent to flash off.

Coverage, Curing and Storage

Unreinforced: 1.5 litres per sq. metre.

Reinforced: 2 litres per sq. metre.

Variable, depending upon type and porosity of substrate.

Damp surfaces, colder weather or high humidity will increase drying times and must be taken into account. In confined areas artificial ventilation should be used. Can be stored up to 12 months in sealed containers. Do not allow water to contact the membrane until it is fully cured.

Clean Up

Utensils and minor spills can be cleaned with water if still wet.

IMPORTANT

The product information contained in this data sheet is given in good faith based upon our knowledge and current information and does not imply any warranty.

The information contained herein is provided on the basis that the product is applied in a proper manner strictly in accordance with instructions onto correctly prepared surfaces which shall remain sound, stable and free of cracking or movement. Instruction application deviation may diminish or negate the performance of the product. Under no circumstances will the Company be liable for any loss, consequential or otherwise, arising from the use of the product. We reserve the right to amend specification and application techniques without prior notice.

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The Ultimate in Waterproofing & Protective Coating Technology

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Packaging And Colour

Available in white, grey and black, in one, four and twenty litre cans.

Tiling, Topping, Top Coating and Protection

Durabit EF is not 100% trafficable and can, when fully dry, be covered by tiles or other suitable topping. When tiling, use a two pack, flexible, cement-based, solvent-free tile adhesive. On areas of +50 square metres, lay a plastic slip sheet over the membrane before tiling or topping. Allow adequate expansion gaps.

Precautions

Durabit EF is user friendly. Nevertheless, avoid contact with the skin and eyes. If poisoning occurs, contact a doctor or the poison information centre. Do not induce vomiting. Give water to drink. The use of gloves and eye protection is recommended.

Testing

DURABIT EF has been extensively tested. Tests include shore hardness, weathering resistance, bond strength, water vapour permeability, slant shear strength (bonding), hydrostatic pressure, tensile and elongation and many more. Test results are available upon request.

Technical Information

Shelf Life:

12 months in unopened containers.

Storage:

In a cool dry environment.
Do not allow to freeze.

Appearance:

Coloured viscous liquid.

Clean Up:

Water.

Application Temperature:

10 to 40 degrees celsius.

Positive Water Pressure:

Minimum 0.2N/mm (= 20 metre head of water)

Slant Sheer Strength:

Above 2N/mm after 28 days.

Tensile Bond Strength:

Above 2N/mm after 14 days.

Water Vapour Permeability:

<4g/m²4 hours @ 25C/75%RH.

Chemical Resistance:

Very good resistance to alkalis and most acids.

Carbon Dioxide Permeability:

Resistance of 100 metres of still air.

(Minimum 50 metres is recommended.)

Shore Hardness:

Shore A 70.

Tensile/Elongation:

2.6N/mm - 7 days
6.6N/mm - 21 days
580% - 21 days

Volatile Content:

±45% by volume

Specific Gravity:

1.10

Viscosity:

3400-5500cps

Data quoted is typical but does not constitute a specification.

Disclaimer

The Company's liability in respect of this product is limited to the replacement of proven faulty product and it is not responsible for any loss or damage arising from its use or any consequential liability whatsoever.