

Estoproof 30

High Performance Multi-Purpose Damp Proof Membrane

Description

Estoproof 30 is a high performance damp proof membrane made from a prime virgin base material to 300 ± 20 microns (0.30 ± 0.02 mm) thick perfect for providing damp proofing security throughout the lifetime of a building.

Estoproof 30 has been tested by SIRIM BHD, in accordance to ASTM D882:2002, on the Elongation at Break and Tensile Strength Test, and complied with the specification in this data sheet.

Uses

Estoproof 30 is the premium quality permanent and efficient damp proof membrane for use:-

- Under reinforced concrete ground, basement slabs and underground structures.
- On top of the slab and below 50 mm thick (minimum) cement and sand floor screed.
- On top of insulation foam board as separation and protection layer.
- On top of lean concrete as separation layer and vapour barrier in the application of spray waterproofing membrane system.
- On top compacted earth as supplemental vapour barrier in basements and underground structures waterproofed with hydrophobic waterproofing admixture system.
- On top soil as protection layer against erosion.

Advantages

- High tensile strength.
- High elongation and flexibility.
- Easy to apply and rapid application rate.
- Highly reflective, can be exposed to sunlight.
- Simple on-site overlap sealing with adhesive tape.
- Biological resistance- unaffected by bacteria, fungi, etc.
- Chemical resistance to all naturally occurring subsoil alkalis and acids.

Standards Compliance

- **ASTM D882:2002**

Physical Properties

Tensile Strength, MPa ASTM D882	> 18
Elongation at Break,% ASTM D882	> 160
Tear Strength	30 N/mm
Dimensional Stability	+/- 5%
Melting Point	80 °C
Resistance to Soil Burial % of Change (Typical)	+/- 13%

Application Instructions

Installation

Estoproof 30 is used as an over-site membrane situated between the base concrete and the hardcore bed. A blinding layer of sand or granite quarry dust on a well compacted hardcore provides a suitable base. The membrane suited in this position protects the site concrete against any sulphate attack and allows good bonding of screed to the concrete.

Jointing the Laps

It will at times be necessary to joint membranes together and to tailor the membrane round projections etc. prior to any jointing being made, sheets must be clean and free from dirt and grease. Adjacent sheets are overlapped by at least 100 mm. the lapping shall be sealed with wide premium quality adhesive tape or its equivalent to complete the overlap sealing process. The above techniques have been found suitable and effective for installation even by unskilled workers.

Packing & Size

Estoproof 30	100m ² per roll
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Technical Support

Estop offers a comprehensive range of high performance, high quality of product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

Estoproof 30 should be stored in protected, dry areas. When left in unopened package, Estoproof 30 will maintain their design performance characteristic for 3 years.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.