

# 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  $300 \pm 20$  microns ( $0.30 \pm 0.02$  mm) thick perfect for providing damp proofing security throughout the lifetime of a building.

**Estoproof 30 has been tested, 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**
- **ASTM E154/E154M-08a(2013)e1**

### Physical Properties

Tensile Strength, MPa ASTM D882	> 20
Elongation at Break, % ASTM D882	> 1000
Puncture Resistance, N	>150
Dimensional Stability	+/- 5%

### 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

<b>Estoproof 30</b>	90m <sup>2</sup> per roll
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#### 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.

#### Technical Support

Denka 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-user and contractors, as well as on-site technical assistance

#### Additional Information

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**Denka Construction Solutions Malaysia Sdn Bhd** 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.



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