

Estoproof 200

Polyethylene Finished Cold Applied Self Adhesive Waterproof Sheet Membrane

Description

Estoproof 200 is a 1.6mm thick self adhesive sheet membrane comprising of polymer modified bitumen layer on a polyethylene film.

The membrane is protected by a silicone release paper which is removed prior to the application of **Estoproof 200** to the primed substrate. The applied membrane needs to be protected from UV light and any form of mechanical damage during subsequent back filling by the application of Protection Board or cement/sand screed.

Estoproof 200 has been tested by SIRIM BHD in accordance to ASTM D412-98a on Elongation and Tensile Strength Test, BS 1881 Part 208:1996 on Determination of the Initial Surface Absorption of Concrete and complied with the specification in this data sheet.

Uses

Estoproof 200 is a continuously bonded waterproof membrane for building and civil engineering structures.

Advantages

- Cold applied
- Fast application
- Uniform thickness of polymer bitumen membrane
- Good adhesion to primed concrete substrates
- Produces a continuous waterproof membrane system

Standard Compliance

- **ASTM D412-98a**
- **ASTM D1000**
- **ASTM E96**
- **BS 1881 Part 208:1996**
- **DIN 1048**

Physical Properties

Property	Typical result
Initial Surface Absorption of Concrete BS1881 Part 208:1996	Concrete too impermeable to be sensitive to a long-term test
Elongation at Break, % ASTM D412-98a	> 600
Tensile Strength, N/mm ² ASTM D412-98a	> 0.80
Nominal Thickness UEATC	1.6 mm
Moisture Vapour Transmission Rate ASTM E96	0.40 grms/m ² /24 hrs
Adhesion to Self ASTM D1000	4.0 N/mm
Adhesion to Primed Concrete ASTM D1000	4.0 N/mm
Resistance to Hydrostatic Head DIN 1048	30 metres
Application Temperature Range – See application instruction	+5°C to 50°C
Flash Point	Over 65°C
Toxicity	Non-Toxic

Application Instruction

Substrate should be float finished and free from any contamination, cavities and projecting aggregates.

Apply **Estoproof Primer W** to the substrate and allowed to dry tack free, prior to the application of **Estoproof 200**.

The membrane should be applied to the substrate having first removed the silicone release paper, pressing the polyethylene film firmly ensuring that the adhesive bitumen compound bonds continuously to the substrate with no air pockets.

Allow a minimum 50 mm overlap at the edges of the membrane and minimum 100 mm overlap at the ends and press or roll the overlaps ensure a positive watertight bond.

All overlaps on vertical or inclined surfaces must be carried out to produce "Weathered Overlaps".

Wall and floor slab junctions shall be laid with Angle Fillets to create a smooth transition.

Protection

The membrane should be protected immediately after application with Protection Board or cement/sand screed.

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Packing & Size

Estoproof 200	1m x 20m roll
Estoproof Primer W	200 kg drum 18 kg pail

Coverage

Estoproof Primer W	0.17 – 0.25 kg/m ²
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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-users and contractors, as well as on-site technical assistance.

Storage

Estoproof 200 membrane should be stored in original unopened packaging in dry conditions.

Estoproof 200 have a shelf life of 24 months.

However, membrane shall be stored vertically and not stacked.

Precautions

There is no health hazards associated with the use of these products.

Additional Information

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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