

## 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 D412-16(2021)**
- **BS 1881 Part 208:1996**
- **ASTM D 1970**

#### 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 D412-16(2021)	> 200
Tensile Strength, N/mm <sup>2</sup> ASTM D412-16(2021)	> 1.0
Nominal Thickness, mm	1.6 ±0.1
Cold flexibility, °C at -10°C ASTM D 1970	Pass
Heat Resistance, °C at 80°C	Pass

#### 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.

#### Packing & Size

<b>Estoproof 200</b>	1m x 20m roll
<b>Estoproof Primer W</b>	200 kg drum 18 kg pail

#### Coverage

<b>Estoproof Primer W</b>	0.17 – 0.25 kg/m <sup>2</sup>
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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 12-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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