

Tefond Drain

Dimpled high density polyethylene (HDPE) membrane combined with a polyester geotextile layer.

DESCRIPTION

Tefond Drain is a dimpled high-density polyethylene (HDPE) membrane with a single interlocking joint combined with a polyester geotextile layer on raised 8mm dimples for drainage and protection.

USES

Tefond Drain is used as a drainage and protection membrane for face walls. The product is an exceptional draining system, which due to its structure drains the water to the bottom of the foundation walls. Tefond Drain is an ideal solution even in wet conditions it drains the water and it protects the bituminous membrane from damage. Other uses are:

- Small roof gardens
- Tanking
- Retaining walls

FEATURES AND BENEFITS

- Vertical installation for drainage and protection of the waterproofing membrane.
- Resistant to impact against mechanical stress caused by the compression of the backfilling. In this way it prevents damage to the waterproofing system.
- Resistant to chemicals usually found in soil and ground water.
- Anti-root barrier.
- Thermal insulation.
- Excellent drainage capacity.
- Single mechanical joint.
- Lightweight product making it easy to install.

TYPICAL PHYSICAL PROPERTIES	
Colour	Black
Dimensions of roll	
Length	20m
Width	2,4m
Weight	740 gr / m ²
Dimple height	8mm
Elongation at breaking point	20% (Tefond) 40% (Geotextile)
Air volume	5,7 l / m ²
Working conditions	-30°C to +60°C
Tensile breaking load	> 250 N / 5 cm (Tefond) 175 N / 5 cm (Geotextile)
Compression resistance	> 250 kN/m ²
Water permeability	100 l / m ² / s (Geotextile)
Geotextile weight	120 gr / m ²
Tefond weight	600 gr / m ²

INSTALLATION

The drainage and protection of walls:-

The surface area must be waterproofed with Fidia P / Indextene according to **abe Construction Chemicals** specification. Measure the height of the wall including a flap which must be folded back and wrapped around the drainage pipe. Allow an additional 100mm above the finished ground level before cutting the sheet. Fix the sheet with the dimples and the geotextile towards the soil. When forming the overlap use a rubber mallet by hitting the dimples to obtain

an interlocking fix. The interlocking joint is found on the side of the sheet. To join the drainage pipe to the inside of the geotextile; detach the geotextile from the Tefond up to 1 metre in height. Place the drainage pipe on the Tefond after having first placed a layer of drainage material under the pipe. Wrap the detached geotextile under the pipe. Cover the pipe with some drainage material to keep everything in place before backfilling. Finish off the Tefond at least 100 mm above the finished ground level and cover with a counter flashing.

The drainage and protection of roof gardens:-

The surface area must be waterproofed according to **abe Construction Chemicals** specification. This is not a primary waterproofing membrane but is recommended for buried dual layer system applications. The first layer consisting of a 3mm torch-on will be **abedex / Unigum** followed by an anti-root bituminous membrane such as **Index Defend H**. Lay Tefond Drain with the dimples upwards. When forming the overlap use a rubber mallet by hitting the dimples to obtain an interlocking fix. The interlocking joint is found on the side of the sheet. Spread out the soil according to the instructions of a qualified landscaper.

CAUTIONARY NOTE

- Do not butt joint sheets.

COVERAGE

The coverage including a 120mm overlap is 45,6m² per roll.

MODEL SPECIFICATION

The drainage and protection membrane will be Tefond Drain; a dimpled high density extruded polyethylene membrane with a single
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Technical data sheet

abe Construction Chemicals (Pty) Ltd. P.O. Box 23053, Isipingo, 4110, South Africa. 7 Wilcox Road, Isipingo, 4110 Tel. (031) 913 5400

Fiche Technique

Interlocking joint combined with a polyester geotextile layer as supplied by **abe Construction Chemicals**.

The Tefond drain will be applied in accordance with the recommendations of **abe Construction Chemicals**.

ACCESSORIES

In order to guarantee the quality and characteristics of the Tefond Drain product, it is recommended to use the range of accessories. Please consult the technical department at **abe Construction Chemicals**.

PACKAGING

Tefond Drain is supplied 12 rolls per pallet, and wrapped for protection.

HANDLING & STORAGE

The product has no expiry date. Keep out of direct sunlight for extensive periods. No heavy loads are to be packed or placed on top of the product.

HEALTH & SAFETY

No known hazards.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **abe Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **abe** has no direct or continuous control over where and how **abe** products are applied - accept any liability either directly or indirectly arising from the use of **abe** products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **abe Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

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