



Tefond HP

Dimpled reinforced high density extruded polyethylene (HDPE) membrane with incorporated sealant

DESCRIPTION

Tefond HP is a dimpled reinforced high density extruded polyethylene (HDPE) membrane with a double interlocking joint and incorporated sealant for waterproofing, on raised 8,5mm dimples for high compression resistance.

USES

Tefond HP is used as a waterproofing and high compression resistant membrane in roads, railways, tunnels and soil stabilisation.

Due to its high performance characteristics **Tefond HP** permits the stabilisation, waterproofing and protection of the soil.

When used in road construction **Tefond HP** reduces the deformation of the structure as well as reducing the thickness of the base layers. Its use in rail construction also helps to avoid deformation by stabilising the soil and directing water towards the drainage channels in tunnels. **Tefond HP** not only protects the waterproofing membrane during the backfilling operation, but effectively drains groundwater and any chemical agents in the soil into the side drains.

FEATURES AND BENEFITS

- High compression resistance.
- Incorporates a sealant
- Flexible.
- High performance.
- Lightweight product making it easy to install.
- Mechanical resistance.
- Excellent protection of the substrate.

TYPICAL PHYSICAL PROPERTIES	
Colour	Grey
Dimensions of roll	
Length	20m
Width	2,4m
Weight	850 gm/ m ²
Dimple height	8,5mm
Elongation at breaking point	20%
Air volume	5,6 l/m ²
Working conditions	-30°C to + 60°C
Tensile breaking load	> 500 N/5cm
Compression resistance	> 450 kN/m ²

INSTALLATION

The installation of **Tefond HP** is simply a matter of removing the protective strip on the sealant and connecting the sheets on the double interlocking joint with a rubber hammer.

CAUTIONARY NOTE:

- Do not butt joint sheets.

COVERAGE

The coverage including a 200mm overlap is 44m² per roll.

MODEL SPECIFICATION

The waterproofing and high resistance membrane will be **Tefond HP**, a dimpled reinforced high density extruded polyethylene membrane with a double interlocking joint and

incorporated sealant as supplied by **abe Construction Chemicals**.

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

ACCESSORIES

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

PACKAGING

Tefond HP is supplied 12 rolls per pallet, 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 placed or packed 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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