



# GP<sup>®</sup> H 0.6 MM

GP<sup>®</sup> H 0.6 mm - is a mono layer, high-density polyethylene membrane specifically designed and manufactures to perform as a robust waterproofing barrier protection system, which is suitable for use in various demanding geomembrane applications such as damp/waterproofing and radon protection.

GP<sup>®</sup> H 0.6 mm also provides resistance to ground borne gasses such as methane and carbon dioxide.

GP<sup>®</sup> H 0.6 mm is a fully weldable liner and is CE marked for use in the following application areas: EN13967 (A/T).

GP<sup>®</sup> H 0.6 mm provides resistance to root penetration from invasive species, including (but not limited too): Japanese Knotweed, Bamboo, Mustard Seed, Meadow Grass, Ivy, Hybrid Poplars, Willow, Elm, Maple, Mare's tail, ground creeping plants, edible plants and aquatic plants.

#### **TITANTECH<sup>®</sup>**

For developers of brownfield and contaminated sites the TITANTECH<sup>®</sup> family of products represent a major step forward in safeguarding projects against gaseous and chemical contamination.

<b>Thickness</b>	0.6 mm
<b>Width</b>	2.5 m or 5.1 m
<b>Length</b>	50 m or 100 m
<b>Density</b>	0.939 g/cm <sup>3</sup>





Feature	Characteristics	Test Method	GP <sup>®</sup> H 0.6 mm
<b>Physical Properties</b>	Thickness	EN 1849-2	0.6 mm
	Width	EN 1849-2	2.5 or 5.1 m
	Length	EN 1849-2	50 m or 100 m
	Density	EN ISO 1183	0.939 g/cm <sup>3</sup>
	Resistance to Roots	CEN/TS 14416	Impenetrable
<b>Hydraulic Properties</b>	Permeability to liquids	EN 14150	1.0 x 10 <sup>-6</sup> m <sup>3</sup> /(m <sup>2</sup> .d)
	Water Tightness (60 kPa)	EN 1928	Pass
<b>Mechanical Properties</b>	Resistance to Static Load	EN 12730-B	> 20 kg
	Tensile Strength (MD)	EN 12311-2 (A)	500 N/50mm
	Tensile Strength (CMD)	EN 12311-2 (A)	500 N/50mm
	Tear Strength (MD)	EN 12310-1	450 N
	Tear Strength (CMD)	EN 12310-1	500 N
	Resistance to Impact	EN 12691(A)	> 2000 mm
	Shear Resistance of Joint	EN 12317-2	Welded: 400 N/50mm GP TITAN TAPE: 90 N/50mm
<b>Durability and Chemical Resistance</b>	Resistance to elevated temperature	EN1296	Conforming
	Resistance to Liquid Chemicals	EN1847	Conforming
<b>Gas Permeability</b>	Methane Permeability	BS EN ISO 15105-1	< 96 ml/m <sup>2</sup> /day/atm
	Carbon Dioxide Permeability	BS EN ISO 15105-1	< 96 ml/m <sup>2</sup> /day/atm
	Radon Permeability	K124/02/95	2.0 x 10 <sup>-12</sup> m <sup>2</sup> /s
<b>Compliance and Certification</b>	CE Mark - EN13967:2012 (A/T)		

## JUTA UK

Please contact JUTA UK Directly for more information on GP<sup>®</sup> H 0.6 mm

## Installation

GP<sup>®</sup> H 0.6 mm should be installed on a blinded or smooth surface, free from sharp protrusions (typically maximum permissible particle size in direct contact with the membrane should be <10 mm). Avoid areas of unsupported membrane. Where required, adequate protection should be applied over the membrane to prevent damage after installation. GP<sup>®</sup> H 0.6 mm exhibits superior welding properties, making it ideal for on-site welding joints.



## JUTA UK

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information on GP<sup>®</sup> H  
0.6 MM

## Storage and Handling

Store in a warm clean and dry environment, with rolls stacked no more than 5 units high. GP<sup>®</sup> H 0.6 mm is classified as non-hazardous. It is chemically inert and is not affected by acids and alkalis that may be present in the subsoils. The material is not recommended for uses where it will be exposed to long periods of outdoor weathering, such as exposure to Ultraviolet light that will embrittle the product. Care should be taken to avoid accidental damage when handling the membrane on site.

## Additional System Components

- 300TT - non-woven geotextile protector of use following installation to protect the membrane from damage against backfilling. Typically used in attenuation tank encapsulation, 300TT geotextile is a CE marked BS7533-13 and C753 conformant protection grade textile.
- GP<sup>®</sup> H Top Hat Unit - preformed pipe sleeve unit for sealing around pipe penetrations.