

GT Membrane 500

This geomembrane is a standard impermeable membrane used for standard “Attenuation Tank” applications in SUDS. The membrane is completely wrapped around the modular water storage tanks to make them watertight, then the whole tank together with the membrane is wrapped with a protection fleece geotextile to prevent the membrane being punctured.

Please note that for higher risk applications a thicker geomembrane is usually required, however this is usually specified by the client.

GT MEMBRANE 500		
	Properties	Results
	Thickness (microns)	500
	Mass (g/m ²)	460
Tensile Strength	(N/25mm)	>180
	(Mp)	>14.4
Elongation at Break	Unaged (%)	>500
	Ageing at 56 days at 80 °C (%)	>250
Tear Resistance	(N)	>20
	(N/mm)	>40
Impact Strength	Body (F50,g)	>1000
	Fold (F50,g)	>500
Durability - effective operational temperature range (°C)		25 - 60
Colour		Black
Roll Size (M)		4 x12.5
Material		Polyethylene

Resistance to Water and Water Vapour

The Geomembranes and methods of jointing provide an effective barrier to the passage of liquid water and water vapour from the ground.

Procedure

Adjacent sheets should be overlapped by at least 150mm and should be bound with jointing tape. Double sided and single sided tape is available on request from sales office.

Chemical Resistance

Resistant to attack by inorganic acids, alkalis and salt solution which cause corrosion to metals and dilute solutions of detergent or bleaches.

Resistance to UV Light

Does not have UV stabilisation therefore not recommended for long periods of exposure to sunlight. Weathering will not occur when installed in accordance with geotechnical engineer’s instructions.

Resistance to Puncturing

Has a high standard of resistance when used in accordance with suitable protection layer which should be specified by and engineer on site. Care should be taken to avoid damage during storage, handling and installation.

