

Solsheet 500 Attenuation Membrane

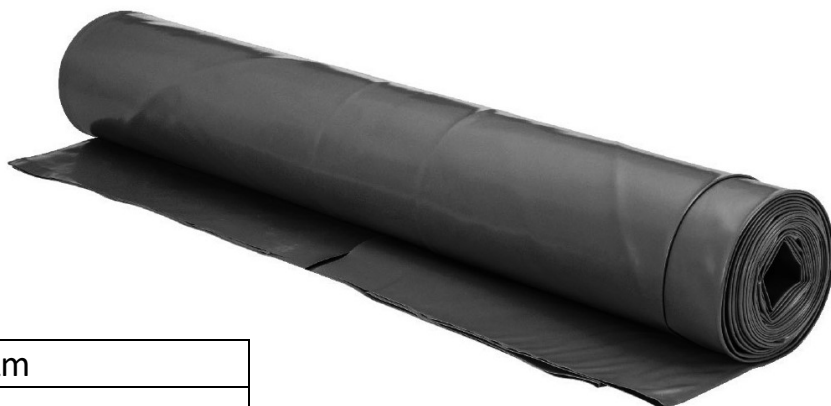
Description:

Solsheet 500 Attenuation Membrane is manufactured from high quality recycled LDPE which is suitable for use in a range of SUDS and permeable block paving systems. Applications include: residential, industrial estates, sports pitches, car parks, roofs, basements, pedestrian areas and rainwater harvesting.

Solsheet 500 attenuation membrane is resistant to puncture, it combines excellent chemical resistance with low flexural modulus to provide a flexible membrane suitable for rough surfaces to optimise on-site installation.

Benefits:

- 100% recycled polythene material
- Durable solution for permeable paving systems and sustainable drainage (SuDs) applications
- Impermeable membrane
- Helps mitigate water run-off and prevents localised flooding



Technical Data:

Thickness	500µm
Roll Width (m)	4
Roll Length (m)	12.5
Tensile Strength (N/mm ²)	>20.3
Elongation (%)	>360
Water Vapour Trans (Sd value m)	498.6
Watertightness (2kPa)	PASS
Nail Tear (N)	324

Compliance:

- CE Marked
- BS 7533-13: 2009 (System C – no filtration)

Installation:

The base of the trench should be structurally sound, smooth, with a level surface cleared of any loose debris. The bed should be covered with Solco Protection fleece to ensure that the Solsheet 500 Geomembrane is not punctured.

This should be installed to the sides of the Solsheet Geomembrane placed against the trench. Lay the Solsheet 500 attenuation membrane over the geotextile and up the sides of the trench. Take the Solsheet 500 attenuation membrane around the structure ensuring that the tank is completely sealed.

Installation Cont'd

Solsheet 500 attenuation membrane is resistant to puncturing and tearing however where tears or punctures occur these should be covered with another part of the sheet, overlapped by at least 300mm, sealed with Solco double sided butyl Jointing Tape. Installations should be carried out above 5°C.

Please be aware that a taped system is not suitable for the following conditions:

- Contaminated ground
- In condition of a high water table

All laps must be a minimum of 300mm wide. Solco double sided butyl Jointing Tape should be applied approximately 50mm from the edge. The next width of Solsheet Geomembrane should then be overlapped. Ensure that the Solsheet Geomembrane is clean, dust free and dry at the time of jointing.

System Components:

- Solco Double Sided Jointing Tape
- Solco XL Reinforcing Tape 100, 150 & 300mm wide
- Solco Protection Fleece / Protection Boards
- Solco Top Hat Units

