

SELFLEX 1.0

SELFLEX: Weldable Waterproof Membrane

Selflex is a robust weldable single layer cold applied geomembrane suitable for sustainable drainage attenuation installations, environmental protection to structures, containments, pond liners and cut off trenches.

Selflex combines excellent chemical resistance with low flexural modulus to provide a malleable, flexible membrane suitable for non smooth surfaces and factory prefabrication to optimise on site installation.

The following routine inspections and maintenance are required:

Element	Value	Method
Roll Width	5.7m	
Roll Length	100m	
Roll Weight	513kg	
Thickness mm '+/- 10%	1.0	ASTM D-751
Density g/cm ³ Min	0.9	ASTM D-792
Tensile Stress @ Break Min N/mm ²	18	ASTM D-638
Elongation '@ Break %	> 700	ASTM D-638
Puncture Resistance min N	150	FTMS 101C Method 2065
Tear Resistance min N	60	ASTM D-1004
Dimensional Stability % Change Max	+/- 2.0	ASTM D-1204 1 Hr @ 100 C
Stress Crack Resistance	100%	ASTM 5397
Volatile Loss 5% loss max	0.2	ASTM D-1203 Method A
Ozone Resistance	No Cracks	ASTM D-1149
Carbon Black content	2 - 3 %	ASTM 1603
Moisture Vapour g/m ² /day	< 0.1	ASTM E96
Friction Angle (Non Woven Geotextile)	21°	Shear Box
Methane Permeability	0.11 g/m ² /day/atm	European Standard
Methane Transmission Rate	1.8 x 10 ⁻⁹ m ³ /m ² /s/atm	BRE
Permeability Coefficient	1.8 x 10 ⁻¹²	

Application

Before installing prelaying checks must be undertaken to ensure the formation is well levelled and compacted. The excavation must be free from ridges and undulation, stones and foreign objects that might puncture the membrane. If the subgrade is deemed unsuitable, it is recommended a blinding layer or protective geotextile is installed.

In case of traffic on the membrane, a protective covering layer is recommended of either a protective geotextile or suitable approved backfill. Backfill material must be carefully placed to prevent tension in the membrane.

Disclaimer

This product specification is neither giving nor implying warranty for the use of this information for design and installation, as these are beyond our control. The data provided is typical and based upon the mean values obtained from the samples taken for any one test. If not otherwise indicated the test procedures reflect usually the mean of five samples. SEL Environmental Limited reserve the right to change the specifications without prior notice.



ALTHON LIMITED, Vulcan Road South, Norwich NR6 6AF

Telephone: 01603 488700 Fax: 01603 488598 Email: sales@althon.co.uk

www.althon.co.uk