

ACS STICKFAST

HIGH ADHERENCE GEOSYNTHETIC MEMBRANE

ACS STICKFAST is a polymer geomembrane formed from an engineered blend of high density and linear low density polyethylene. It is profiled to provide an enhanced ability to bond to wet concrete and other cementitious materials as they harden. It's major areas of use is as a waterproofing layer below slabs and other structures cast against the ground where subsequent ground movement is anticipated and in subsurface works.

MATERIAL

Polymer	Engineered blend of HDPE and LLDPE		
Colour	Black		
Carbon Black Content	(%)	0.8 – 2.5	ASTM D1603
Thickness at 2kPa	(mm)	10.8	EN ISO 9863-1
Mass per unit area	(g/m ²)	600	EN ISO 9864
			±10% approx

PERFORMANCE

Tensile Strength MD	(kN/m)	6.0	+10%	EN ISO 10319
Elongation MD	(%)	40	+10%	EN ISO 10319
Tensile Strength CD	(kN/m)	3.0	+10%	EN ISO 10319
Elongation CD	(%)	40	+10%	EN ISO 10319
CBR puncture resistance	(N)	700	-20%	EN ISO 12236
Resistance to weathering		To be covered in 14 days		EN 12224
Life Expectancy	(yrs)	In excess of 25 years in pH 4 to 9 at 25 °C		
Working temperature	(°C)	-20° to 80°		
Chemical resistance		Excellent resistance to common chemicals		EN 14030
Resistance to microbes		No significant effect		EN 12225
Compatibility with membranes		Fully compatible. All components compatible with potable Water		
Health, safety, environment		INERT. No known health hazard. No precautions necessary		

NOTES

- 1) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. In line with our policy of continuous improvement the right is reserved to make changes without any notice at any time.
- 2) Unless otherwise stated allowable tolerances are ±10% of the typical value. The tolerance on roll width is 1%.
- 3) The above figures have been obtained from statistical interpretation of test results. Due to the range of products, interfaces with other products and loading conditions, only selected testing has been done on shear, creep and protection efficiency. We will be pleased to discuss available test data and arrange testing if appropriate.
- 4) Final determination of the suitability of any information is the sole responsibility of the user. We will be pleased to discuss the use of this or any other product but responsibility for selection of a material and its application in any specific project remains with the user.
- 5) Refer to separate sheets to fixing instructions and packing dimensions.

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