

## ACS BLACKLINE HD GEOSYNTHETIC BARRIER LAYER

ACS BLACKLINE HD is a general purpose high density polyethylene (HDPE) membrane, providing a robust geosynthetic barrier with the following benefits:

- Durable
- Lightweight
- Flexible & easy to install
- Excellent chemical & biological resistance
- Resistant to sea water & fertilisers

The Polymer sheet has high tensile strength and puncture resistance. ACS BLACKLINE HD provides an efficient, reliable and cost effective barrier to the migration of liquids and gases.

### PROPERTIES

Material		prime HDPE (High Density Polyethylene)	
Thickness @ 2kPa	(mm)	0.85	EN 964-1
Weight	(g/m <sup>2</sup> )	825	EN 965
Carbon Black Content	(%)	0.8-2.5	ASTM D1603
Colour		Black	
Tensile Strength	(kN/m)	20	(typical)
Extension at Break	(%)	500%	(typical)
Resistance to Weathering		To be covered in 14 days	EN 12224
Life Expectancy	(yrs)	120 years in pH 4 to 9 at 25°C	
Working Temperature	(°C)	-20° - 80°	
Chemical Resistance		Excellent Resistance to common chemicals	EN 14030
Resistance to Microbial Attack		No significant effect	EN 12225
Health, Safety, Environment		INERT No known health hazard. No precautions necessary	

### INSTALLATION

Installation is straightforward using conventional plant and labour. ACS BLACKLINE HD may readily be cut to length and shape with a suitable sharp knife. ACS BLACKLINE HD may be jointed using simple overlap, jointing tape; in extremely demanding conditions, if required, it may also be jointed by thermal welding.

### SUPPLY

ACS BLACKLINE HD is generally supplied in rolls 1.2m x 100m; other sizes are available by request.

ACS BLACKLINE HD is available in other grades and sheet thicknesses/weights.

### 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 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.
- (4) Final determination of the suitability of any information is the sole responsibility of the user. ACS 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 for fixing instruction and packing dimensions.

ACS Blackline HD