

Screeding Membrane (Single Wound)

Data Sheet

Description

Single Wound Screeding membrane is a low density polythene membrane for use under floor screeds which are not subject to hydrostatic pressure, to protect buildings against moisture from the ground. The membrane is manufactured in standard 125mu, 250mu and 300mu thickness and in roll sizes of 1.5m x 100m. (125mu) 2m x 100m (125mu), 2m x 50m (250mu) and 2m x 50m (300mu), although other sizes are available to special order.

The membrane is produced by the blown extrusion process. The product is single wound onto cardboard cores and has no folds. This is particularly important when used in conjunction with lightweight screeds to eliminate the possibility of cracking over folds and creases.

Regulations

The 300mu membrane is suitable for use under floor slabs and will comply with requirements of the Building Regulations 1991 (as amended) (England and Wales) document C4, resistance to weather and ground moisture

The 250mu and 125mu product are not intended for use as damp-proof membranes under floor slabs but are suitable for use under secondary screeds.

Nominal Characteristics

Mean Thickness	125, 250 and 300 (mu)	(mean +/- 12% single value value 80% norm)	
Roll Width	1.5m or 2m	(width range = +/- 2.5%)	
Roll Length	50 or 100m	(width range = +/- 5%)	
Roll Weights	1.5m x 100m 125mu 2.0m x 100m 125mu 2.0m x 50m 250mu 2.0m x 50m	17.25kgs 23kgs 23kgs 27.6kgs	(weight range = +/- 10%) (weight range = +/- 10%) (weight range = +/- 10%) (weight range = +/- 10%)

Samples of 300mu membrane were tested by the British Board of Agreement in accordance with BBA MOAT No 61, January 1998 which showed the following typical values.

Test	Method	Mean Results
Water vapour permeability (gm/m ² /24hrs)	BS3177 25°C 75% RH	0.34
Water Vapour Resistance (MNsg-1)	BS3177 25°C 75% RH	603
Impact (dart) (G)	BS3177 25°C 75% RH	893
Impact Resistance	BBA T1/09 0 deg C - 23 deg C	pass pass
Impact Strength (Nmm - 2)	BS2782: 320a Test speed 500 m min-1	18.9 (long) 18.5 (trans)
Elongation at break (%)	BS2782: 320a Test speed 500 m min-1	530 (long) 627 (trans)
Tear Strength (nail mac load N)	Moat 27:5.4.1	110.8 (long, unaged) 115.6 (trans, unaged)
Low Temperature Flexibility (deg C)	Moat 27:5.4.2	-20 (long/trans)