

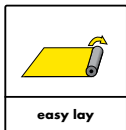
Polyshield

Modified bituminous damp proof membrane

Polymer modified bitumen Damp Proof Membrane laminated on to a multi layer high density tensile polyethylene film.

CHARACTERISTICS

- ▶ Economical
- ▶ Durable
- ▶ Elastomeric
- ▶ Multi layer
- ▶ Easy to use



DESCRIPTION

Polyshield is a polymer modified bitumen damp proof Membrane laminated on to a multi layer high density high tensile polyethylene film.

FIELDS OF APPLICATION

Polyshield is used as a damp proof membrane to provide a barrier to the passage of moisture or water from the exterior to the interior or from the ground to the structure. Polyshield should be installed as per normal building practice as detailed in BS 5628 part 3 and in accordance with the manufacturers recommendation. It is highly robust to prevent damage during use in all operating conditions and will accommodate substantial movement in excess of the crushing strength of the wall loading. The material has been specifically designed to prevent the membrane extruding under the imposed loading conditions and will prevent ingress of water vapor during the service life of the structure. The special chemical modification of bitumen gives flexibility at low temperatures, high puncture and tear resistance and can be used horizontal or vertical damp proof course applications.

APPLICATION INSTRUCTIONS

Polyshield is introduced at the construction stage i.e. during the erection of the brickwork, block work or masonry walls using traditional building construction methods. The damp proof membrane must extend through the full wall thickness and it should be laid on an even bed of mortar. Overlapping the material to the same width of the damp proof course or 100 mm minimum including sealing forms laps. The method of laying, jointing and forming cavity trays



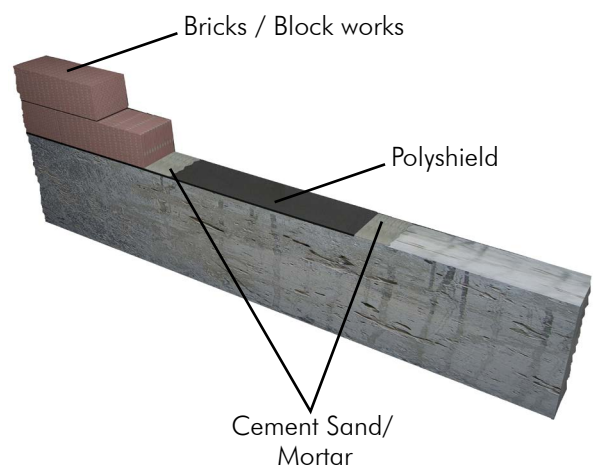
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should be in accordance with relevant building regulations and codes of practice. Polyshield is fully compatible with Bitustick* to provide a moisture proof system.

STORAGE & SHELF LIFE

Polyshield membranes must be stored in a shaded area on wooden pallets neatly covered by a thick fabric and



For illustration Purpose only

tied securely in a manner that will minimize exposure to sunlight and UV, the membranes shall be protected from all sources of heat and extreme temperatures. The shelf life is 12 months if stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce shelf life.

HEALTH & SAFETY

Polyshield might leave bitumen stains on the skin and hands during application. The stains can be removed by using any light solvents. Care should be taken when using tools for cutting Polyshield.

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Thickness, [mm]	1.5	DIN EN 1849-1
Mass per unit area, [kg/m ²]	1.5 - 1.8	
VOC [g/l]	<50	ASTM D 3960 D 2369

All values given are subject to 5-10% variation

SUPPLY

Polyshield	100mm x 10m, wt 1.50kg#
	150mm x 10m, wt 2.25kg#
	200mm x 10m, wt 3.00kg#

Approximate weight

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.