

Polyshield HD

Heavy duty bituminous damp proof membrane

Heavy duty Damp Proof Membrane, laminated on to a multi layer high density, high tensile polyethylene film.

CHARACTERISTICS

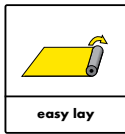
- ▶ Heavy duty
- ▶ Economical
- ▶ Durable
- ▶ Elastomeric
- ▶ Multi layer
- ▶ Easy to use



strong



moisture barrier



easy lay

DESCRIPTION

Polyshield HD is a heavy duty bitumen Damp Proof Membrane laminated on to a multi layer high density high tensile polyethylene film.

FIELDS OF APPLICATION

Polyshield HD 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 HD is manufactured to meet the requirements of BS 6398 and 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

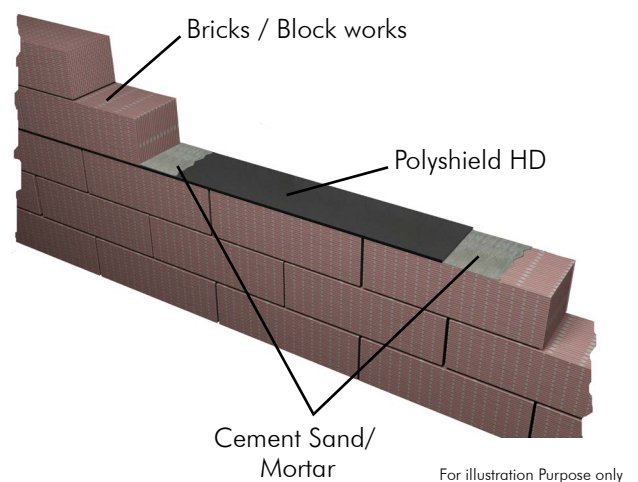
Polyshield HD is introduced at the construction stage, during the erection of the brickwork, block work or masonry wall using traditional building construction methods. The DPC must extend through the full wall thickness and it should be laid on an even bed of mortar. Overlapping the material to the same width of the damp proof membrane



TDS_Polyshield HD_GCC_0519

1

or 100mm minimum including sealing form laps. The method of laying, jointing and forming cavity trays should be in accordance with the relevant building regulations and codes of practice. Polyshield HD is fully compatible with the Bitustick* range of membranes to provide a moisture proof system.



STORAGE & SHELF LIFE

Polyshield HD membrane rolls whether loose or on pallets have to be stored vertically in a shaded area neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight & UV. 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 its shelf life.

HEALTH & SAFETY

Polyshield HD might leave bitumen stains on the skin and hands during application. The stains can be removed using solvents. Care should be taken while using tools to cut the rolls. Use safety gloves while handling. Disposal should be done as per the local disposal regulations.

SUPPLY

Polyshield HD	3.0mm	100mm x 10m, wt 3.10kg#
		150mm x 10m, wt 4.65kg#
		200mm x 10m, wt 6.20kg#
		250mm x 10m, wt 7.75kg#
		300mm x 10m, wt 9.30kg#

Approximate weight

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Thickness, [mm]	3.0	BS 6398
Mass per, unit area [kg/m ²]	3.1-3.3	BS 6398
VOC [g/L]	<50	ASTM D 3960 / D2369

All values given are subject to 5-10% tolerance

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.