Polyboard

Bitumen impregnated compressible fibre filler board

Excellent recovery with thermal insulation property.

CHARACTERISTICS

- Multi-purpose bituminized softboard made from natural wood fibres for roof, wall and floor in concrete and timber constructions
- Excellent recovery after 50% compression
- Good thermal insulation properties
- Available in various bitumen contents
- Easy to install
- Does not Contain Asbestos, Chromated copper arsenate and Lead

DESCRIPTION

Polyboard is a compressible bitumen impregnated fibre board for expansion joints. The impregnated softboard is made from natural wood fibres chips and proprietary materials, mechanically reduced to fibres which are then pressed to form a continuous sheet. Bitumen is incorporated into the board during manufacture to improve its moisture resistance and durability.

FIELDS OF APPLICATION

- external wall cladding: filling structural expansion & structural separation joints in block & insitu concrete construction.
- trafficable surfaces: filling expansion joints in motorways, runways, pedestrian areas, bridges, kerbs.
- internal surfaces: filling expansion joints across concrete floors, including screed floors.
- roofs & floor finishes: ideal for filling expansion joints in concrete floors.
- Building superstructures: filling expansion joints in basements, retaining walls, site slabs, subways & other water excluding structures.
- reinforced concrete structures: expansion joint fillers in piers and lateral supports like abutments.
- expansion strips: against existing or between adjacent constructions and insets in concrete paving like drains, manholes.
- internal finishes: Various other flat works and concrete floors.

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- protection of waterproofing membranes and coatings from mechanical abuse and against backfill.
- protection board for pressure-sensitive layers

SPECIFICATION COMPLIANCE

Wood fibre insulating board produced complies with the pertinent type requirement of ASTM D 1751 (compression, extrusion and recovery only). Production standard as per DIN EN 13986 / DIN EN 622-4

INSTALLATION PROCEDURE

When used to form movement joints in in-situ concrete, Polyboard can be positioned next to the shuttering before casting or can be bonded to the adjacent concrete with an appropriate adhesive. The softboard must be protected on external faces by a compatible weather resistant sealant. Polyboard up to a thickness of 19mm can be cut using a stable knife and a guide bar for a straight edge after cutting. To avoid tearing in the reverse face, the cut should be made onto a flat rigid backing material. Boards thicker than 19mm should be cut with a portable electric circular saw.

Protection

Polyboard can be fixed to protect waterproof membrane with a suitable adhesive like Bitubond N or by suitable approved mechanical fixing methods.

STORAGE

Store the boards in a cool, dry and shaded area. The boards should be stacked on a pallet which should be placed on a flat area. Keep away from sharp edges and protect the edges from getting damaged. During installation carry single boards vertically.

HEALTH & SAFETY

There is no health hazards associated with Polyboard in normal use. Polyboard is combustible and will catch fire if exposed to flame or other sources of ignition.

SUPPLY

Polyboard	12mm 19mm 25mm	1180mm x 2250mm

TECHNICAL SPECIFICATION

PROPERTIES	VALUES	TEST STANDARDS
Density, [kg/m^3]	>220	-
Color	Brown	-
Surface	Non-sanded	-
Maximum extrusion at 50% compression, [mm]	<1	ASTM D 1751
Recovery at 50% Compression, [%]	>70%	ASTM D 1751
Compression at 50%, [psi]	>100	ASTM D 1751
Brittleness	No crack	ASTM 994
Bitumen content, [%]	10	ASTM D 545

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.

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