

FILLBOARD

Expansion Jointing

Key Features

- Ideal general purpose expansion joint filler
- Tested to BS, DOT & BAA specifications
- Low cost, permanent solution
- Ecologically friendly
- Low embodied energy
- Wide range of sizes
- Available nationwide on rapid delivery

What is FILLBOARD?

FILLBOARD is a high quality bitumen impregnated fibreboard ideal for use in expansion joints for concrete in such applications as – roads, airport runways, pedestrian areas and industrial floors, - concrete roofs, external walls and cladding, - separator strips in slab pavement construction.

For movement joints in brickwork, always use BRICKFILL.

FILLBOARD in Use

FILLBOARD is highly resistant to moisture penetration and ice formation in joints. In situ as expansion jointing, protected by appropriate sealant, FILLBOARD remains permanently resilient and is immune to dry and wet rot, fungus attack and other similar forms of deterioration.

FILLBOARD joints can be sealed using most cold applied polymeric sealants, but where liquid hydrocarbons such as shuttering oil, petrol, diesel fuels and other solvents may be present, FILLBOARD should be protected by a fuel resistant sealant.

Manufacturing Process

FILLBOARD is manufactured using timber fibres from wood waste and forest thinnings. Bitumen emulsion is added during manufacture to achieve a minimum overall bitumen content of 10%.

The bitumen individually coats and becomes an integral part of each fibre ensuring it cannot be exuded or stain surrounding concrete. FILLBOARD is dry to the touch.

FILLBOARD has extremely low embodied energy and uses the natural lignin in cellulose to bind the fibres of the board together.

No chemical adhesives are used in the manufacture of FILLBOARD.

Handling

FILLBOARD can be easily cut with sharp hand tools. See separate Health & Safety Sheet for processing details.

FILLBOARD will absorb water if subjected to prolonged wetting. Store under cover, stack flat on closely spaced bearers. If saturated, allow to dry thoroughly before use.

Availability

FILLBOARD is available ex-stock in a wide range of sheets, pre-cut strips and thicknesses. The complete range is detailed on 'Product Availability' sheet.

Technical Data

Density	BS1142	<400 kg/m ³
Thermal Conductivity	BS874	<0.055 W/mK
Bending Strength	BS1142	1.0–2.0 N/mm ²
Vapour Resistivity	BS7374	20–40 MNs/g
Water Absorption		
24 hrs immersion	BS1142	av. 13–35%
Effect of Relative Humidity	BS1142	lgth/wdth <0.4%
Change from 35% to 85%		thickness <7.0%
Weathering	DOT*	no shrinkage or deterioration
Recovery	DOT*	83–97%
Compression loss (wgt/mass)	DOT*	none
Extrusion	DOT*	0.38–0.58mm

* Dept of Transport Specification for Highway Works

FILLCRETE

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