

SPECcell Fibre

BITUMEN IMPREGNATED FIBRE BOARD JOINT FILLER

DESCRIPTION

SpECcell Fibre is made from highly resilient selected plant fibres. **SpECcell Fibre** is a compressible non-extruding, bitumen impregnated fibreboard expansion joint filler suitable for forming expansion joints in structures such as insitu concrete, brick and blockwork, and is a tough, durable material when used as a protection course for membrane waterproofing.

TYPICAL USES

SpECcell Fibre may be used in the following applications:

- Joints in trafficked surfaces, bridges, roads, runways and pedestrian areas
- As a temporary filler in expansion joints
- Joints in concrete roofs, external walls, cladding and floors
- As a filler in structural separation joints between buildings, in brickwork, concrete and block construction
- As a separator strip in slab pavement construction

ADVANTAGES

SpECcell Fibre completely fills the joints under repeated cycles of expansion and contraction and will not support dry or wet rot, fungus attack or similar forms of deteriorating agents.

TECHNICAL DATA

Form	Compressible sheet
Density (ASTM D1751, air dry)*	304 kg/m ³
Recovery @ 10 mins after compressing to 50% of the specimen's thickness	81%
Extrusion after compressing to 50% of the specimen's thickness	0.22 mm

Compression (ASTM D1751)*

a) Stress applied for compressing specimen to 50% of it thickness 1900 Kpa

b) Loss in weight after application of stress 0.1 - 0.2%

Brittleness (ASTM D994)** No sign of crack or shatter

Water absorption (%) 61%

Distortion (ASTM D994)** 1.5mm

Service temperature range -10 to +75°C

* **ASTM D1751** relates to bitumen impregnated fibreboards.

****ASTM D994** relates to asphaltic filler boards encased between asphalt saturated glass fiber felt layers

APPLICATION

SpECcell Fibre is a compressible joint filler in sheet form, used to form and fill expansion, isolation and control joints.

In concrete

SpECcell Fibre can be placed against formwork on the concreting side prior to placing the first section of concrete and is left in place on removal of the formwork. The subsequent pour is then cast directly against the **SpECcell Fibre**. The fibreboard is then cut back later to form the sealing slot.

In brick & blockwork

SpECcell Fibre should be installed, whilst laying brick or blockwork, in such a way that a sealing slot, of the dimensions required, is formed.

Protection course

SpECcell Fibre should be installed to provide a continuous protection layer over the waterproof membrane. **SpECcell Fibre** may be bonded to

the membrane using a rubberised bitumen mastic or other suitable adhesives.

PACKAGING & SIZES

SpECcell Fibre is available in the following sizes:

Thickness	10, 13, 19 & 25mm
Board size	1220mm x 2200mm

STORAGE & SHELF LIFE

SpECcell Fibre has a shelf life of 2 years if stored in cool, dry conditions.

HEALTH & SAFETY

There are no health hazards associated with the normal use of **SpECcell Fibre**. For further information refer to the MSDS.

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