

Shield FiberBoard

Bitumen Fiber Board



MICSHIELD®

Description

Shield FiberBoard is a preformed, compressible, non-extruding joint filler made from high-grade wood fibers impregnated with bitumen. **Shield FiberBoard** It is used to form and fill expansion and isolation joints in concrete structures, allowing the movement caused by thermal expansion and contraction.

Uses

- For expansion and isolation joints in concrete slabs, pavements, and floors.
- Foundations, retaining walls, and other civil engineering structures.
- As a filler for joints in runways, roads, and bridge decks.
- As a protection layer for waterproofing system.

Characteristics / Advantages

- Easy to cut and install.
- Available in a wide range of thicknesses and sizes to suit different joint requirements and structural applications.
- Exhibits excellent recovery after 50% compression (loss $\leq 0.2\%$ by weight, permitted $\leq 3\%$).
- Flexibility and long durability.
- Can withstand high temperatures without melting or deforming.
- Environmentally friendly.

Standard Compliance

- ASTM D1751

Shelf Life and Storage

Shield FiberBoard has an unlimited shelf life when stored in cool and dry conditions, protected from direct sunlight, heat, and moisture. The storage area should be free from any equipment that generates ozone.

Technical Support

Refer to contacting technical information, method statement or technical support team for any inquiry.

Properties

Color	Brown
Extrusion at 50% compression (ASTM D 545-99)	$\leq 6,4$ mm
Recovery after 50% compression (ASTM D 545-99)	$\geq 70\%$
Sheet Size	1.22 x 2.20 m 1.18 x 2.25 m
Thickness	12, 18, 25 mm

Surface Preparation

Joints must be clean from dust, oils, dirt, etc.
Ensure the surface is dry and free of contaminants.

Application

Shield FiberBoard shall be accurately positioned against the formwork on the concreting side prior to the concrete pour, ensuring complete contact along the entire joint. To prevent any displacement during concrete placement, the board should be fixed using galvanized nails or a suitable construction adhesive. Ensure that the joint depth meets the design requirements throughout installation.

Safety Instructions

Hot weld site jointing of **Shield FiberBoard** may generate acidic gases such as hydrogen chloride vapor. Place the spliced materials in open or well-ventilated area, wearing proper PPEs is highly recommended to avoid any circumstances.

The operational exposure limit of 5 ppm can be exceeded in still air confined spaces, therefore forced ventilation and wearing proper PPE are recommended. For further information, refer to the Material Safety Data Sheet.

Address: Manaseer Group, 8th Circle, King Abdullah II St. 302
P.O. Box 925988 Amman, 11110, Jordan

Phone +962 6 5800600
Fax. +962 6 5833890

Email: info.shield@manaseer-ic.com
Website: www.manaseergroup.com

LEGAL DISCLAIMER: All information provided, and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use in order to make their own final decision regarding suitability. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.

Version 251107-SP-FB –GeoTex-001