

TUFF BOARD



Bitumen Impregnated Joint Filler Board

DESCRIPTION

TUFF BOARD is an economical, semi-rigid, bitumen impregnated board, designed as a joint filler material particularly for expansion joints in concrete that also provides support and accurate depth measurement for subsequent joint sealant materials. Bitumen is incorporated into the board during manufacture to improve its moisture resistance and durability.

CHARACTERISTICS

- Excellent recovery after 50% compression.
- Multi-purpose bituminized softboard made from natural wood fibres for roof, wall and floor in concrete and timber constructions.
- Easy to install.
- Good thermal insulation properties.

USES

TUFF BOARD is typically used to fill expansion and movement joints in in-situ or pre-cast concrete, particularly on large civil engineering structures such as bridges, tunnels and dams.

APPLICATION

New Expansion Joints

Cut the TUFF BOARD using a sharp knife or hand saw to the desired length and shape to fill the full depth of the expansion joint. A contact adhesive can be used to spot bond the TUFF BOARD in place.

Allow the contact adhesive to set before constructing the other side of the joint. After concreting the other side of the joint, rake out the board to the same depth as the sealant that will be applied to finish the joint.

Apply a bond tape to the bottom of the joint on top of the TUFF BOARD, and seal the joint with an appropriate sealant from the SEAL range. Existing Expansion Joints For existing expansion joints in concrete and for all joints in brickwork, blockwork and masonry, in accordance with BS 5628-3:2001. The Code of practice for use of masonry,

TECHNICAL PROPERTIES

DESCRIPTION	VALUE	STANDARD
Color	Brown	-
Size	1.22 mx 2.20 m	-
Thickness	12mm, 18mm & 25mm	-
Density	>230Kg/m ³	ASTM D 1751
Extrusion@ 50% compression	<6 mm	ASTM D 1751
Recovery within 10 min after 50% compression	>70%	ASTM D 1751
Compression @50%	>100 psi	ASTM D 1751
Water absorption	<15%	ASTM D 545
Bitumen Content	10%	ASTM D 545
Weight loss during 50% compression	<3%	ASTM D 1751
Stress required to compress the test Specimen to 50% of normal thickness	689 KPa < P < 5175 KPa	ASTM D 1751
Fire Class	Class E	EN 13501-1

All values given are subject to 5-10% tolerance.

Complies with ASTM D 1751 -04, test procedure according ASTM D 545-99.

We recommend using a closed cell polyethylene filler board such as TUFF FILL PE, as it has higher compression & recovery, without the risk of load transfer or reflective cracking through the designed joint.

CLEANING

Clean tools immediately after use in a strong soap solution. Keep brushes soaking in this solution between applications. Hardened it needs physical scraping followed with treatment in white spirit.

SUPPLY

TUFF BOARD sheet size: 1.22 m x 2.2 m sheet in 12mm, 18mm and 25mm thicknesses. Sheet sizes may vary from above, Please check for the stock and availability of sizes and densities.

LIMITATIONS

Avoid application if the work area may be subject to the onset of rain or moving water.

STORAGE

sheet size: 1.22 m x 2.2 m sheet in 12mm, 18mm and 25mm thicknesses. Sheet sizes may vary from above, Please check for the stock and availability of sizes and densities.

SHELF LIFE

To maximize the shelf life always store products in environment, away from direct sunlight. Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

HEALTH & SAFETY

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes. Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

More from starke construction chemicals A wide range of construction chemical products are manufactured by STARKE which include:

- **Concrete admixtures.**
- **Surface treatments**
- **Grouts and anchors.**
- **Concrete repair.**
- **Flooring Coating**
- **Sealants.**
- **Waterproofing.**
- **Adhesives.**



Starke Polymer Ltd
Plot 158, kampala uganda
Construction Chemicals

Tel + 256 709 704 421
Tel + 256 792 171 023

Email: info@starkepolymers.com
[www. Starke polymers.com](http://www.Starkepolymers.com)

Important note :

Starke range products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Starke endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation, opinion or information given by it.