

# EPE FILLER BOARD

## CLOSED CELL POLYETHYLENE EXPANSION JOINT FILLERBOARD

### DESCRIPTION:

**EPE FILLER BOARD** is expanded poly ethylene foam having a cross linked closed cell polymer and widely known as compressible Expansion joint Filler Board. It is flexible as well as has high compression –recovery, therefore suitable for application at places which require readily compressible low load. This filler board is non-tainting and therefore suitable for use in potable water retaining and water excluding structures.

### USES:

- Airport aprons, runways and taxi tracks
- Concrete, parking lot for buildings
- Concrete flooring in buildings
- Water retaining and water excluding structures
- Interconnecting walkways between buildings
- Basements, flyovers, subways and concrete roads
- Bridges, decks, abutments and pier hinge joints

### ADVANTAGES:

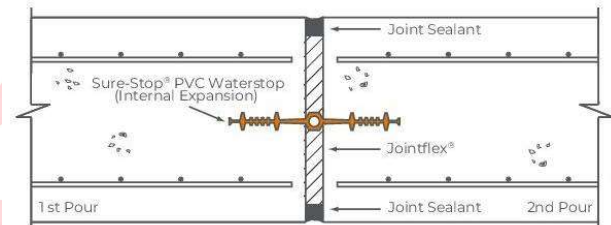
Flexible:	95% recovery after deflection (compression).
Weathering Teat:	Resilient and does not distort under low load transfer from Wet concrete.
Closed cell structure:	Extremely low water absorptions thus non-deteriorating and Durable.
Bitumen Free:	Non – Staining.
Chemically Resistant:	Inert to most dilute acids, resistant to oil and hydrocarbons
Hygienic:	Rot proof and bacteria resistant
Simplicity:	Easy to handle and install it.
Temperature:	Accepts temperature cycle with minimal load transfer

### PROPERTIES:

#### PHYSICAL PROPERTIES - for 50kg/m<sup>3</sup> Density

PROPERTY	METHOD	RESULT
Compression (kPa)	ASTM D1752-18 & ASTM D545-19	113.4
Recovery (%)	Same as above	99.0
Extrusion (mm)	Same as above	1.53
Density (kg/m <sup>3</sup> )	Same as above	49.37
Water Absorption (%)	Same as above	0.18
Tensile Strength (MPa)	ISO 1798 : 2008	0.45
Elongation at Break (%)	ISO 1798 : 2008	84
Application Temp. (°C)	Refer CORKJOINT	-10°C to +50°C
Service Temp. (°C)	Refer CORKJOINT	-30°C to +90°C

### TYPICAL APPLICATION:



### AREAS OF APPLICATION:

- Slab on ground
- Brickwork and blockwork
- Reinforced concrete structures
- Concrete roads and pavements
- Suspended slabs
- Basements and tunnels
- Water retaining / excluding structures
- Dams and reservoirs
- Bridges and viaducts
- Airport aprons and taxiways