

KAMPUN

Expansion Joint Filler Boards - KAMPUN HD100

High Resilient Non Bituminous Joint Filler Board Product Catalog

1. Product Description – Expansion joint filler board

Kampun HD100 is a Cross linked Closed cell Polymer and widely known as compressible Expansion Joint Filler Board. It is a range of closed cell, **cross-linked premoulded Polyethylene/ethylene vinyl acetate EVA foam** manufactured by block process. It is extremely fine microcellular, high mechanical strength EVA PE Foam. We produce the joint filler board using polyethylene(PE) as well as ethylene vinyl acetate (EVA) as raw materials in addition to other crossed linking offering special chemicals and additives. It provides unique advantage of low weight v/s high strength requirement thus improving efficiency. 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. It contains no bitumen.

2. Applications

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



3. Compliance

Our Kampun HD100 – expansion joint filler board has proven performance and complies with DOT Specifications Part-III, highway Clause 1015 (American) which is evident from the following comparative chart of parameters.

No.	Parameters	Passing Value as per clause 1015	KAMPUN HD100
1	Compression recovery	Minimum 70%	95%
2	Weathering test	No sign of disintegration or shrinkage	No sign of disintegration
3	Compression extrusion	Free edge does not exceed 6mm	2.5mm

4. Features and Advantages of expansion joint filler boards

- 1 Resilience - 95% recovery after deflection (compression).
- 2 Weathering Test - Resilient and does not distort under low load transfer from wet concrete.
- 3 Closed cell structure - Extremely low water absorption thus non deteriorating and durable.
- 4 Bitumen free - Non-Staining
- 5 Chemically Resistant - Inert to most dilute acids, resistant to oil and hydrocarbons.
- 7 Simplicity - Easy to handle and install it.
- 6 Hygienic - Rot proof and bacteria resistant.

5. Standard Sizes and Colour

Our Expansion Joint Filler Boards are available in standard thickness range from 5mm to 100mm. The sheet sizes are available as per following:
1000mm x 2000mm, 1200mm x 2400mm, 1300mm x 2000mm, 1500mm x 1600mm, 1200mm x 1800mm

Customized thicknesses as well as sheet sizes are also available on special considerations. Normally our HD100 compressible filler boards are supplied in standard black colour, though sometimes supplied in different colour for specific requirements.

6. Technical Datasheet

Sr. No.	Characteristic	Requirements as per IS:1838 Part-3*
1	Colour	Black
2	Compression Recovery	90%, Min.
3	Extrusion	Amount of extrusion of the free edge shall not exceed 6mm
4	Water absorption	1%, Max
5	Density	100+/- 10Kg/M3, Min.
6	Resistance to Handling	No effect on ordinary handling
7	Thickness	2mm - 50mm
8	Width	100mm to 1200mm (+/- 3mm)
9	Length	1000mm to 2400mm (+/- 5mm)
10	Extrusion	Max. 6mm
11	Weathering	Shall show no sign of disintegration
	A. Avg recovery	Min. 90%
	B. Compression	0.07 – 10.0 N/mm ²
	C. Extrusion	Max 6mm

For more details, please consult us.*For detailed testing criteria and product standard BIS has to be consulted.

7. Laying and Installation Procedure

For installation guidelines, please visit website at : <https://www.hd100.in/kampun-hd100-joint-filler-laying-installation/>

8. Health & Safety (Ask us for MSDS)

- Completely non-hazardous. Though, it is advisable to use hand gloves while handling.
- Wash hands
- Smelling sometimes but it is negligible.



Expansion joint filler boards usage in highways, large buildings, airport runways

KAMPUN GROUP OF COMPANIES

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This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Kampun Polymers does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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Version: 09092023.001