



## EXPANSION FILLER JOINTS (MORT&H – CLAUSE: 2605)

Material	Expansion Filler Joints are Bitumen impregnated fibre of Preformed (Pre-Moulded), Non- Extruding & Resilient Type
Standard Dimension	1.22mtr long x 0.61mtr width x 20mm thick
Specification	IS: 1838 (Part – I) – 1983
Manufacture	The filler shall consist of preformed strips of suitable fibre of cellular nature secured bonded together and then uniformly saturated with Bitumen to IS: 73/ 702 of 1961

Application	<p>The expansion joints are required in Concrete roads, Runways, Floor &amp; Roof slabs of the building to relieve the stress developed due to temperature shrinkage, creep, relaxation, vibration etc.</p> <p>To provide an even surface, these joints must be filled and at the same time the materials used for filling should be permit expansion &amp; contraction of the concrete. The joint is strip of compressible material used to form and fill the expansion joints in structures.</p> <p>The Chief function of the 'Joint Filler' is to permit the joint to expand without developing stresses.</p>
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## PHYSICAL REQUIREMENTS OF BITUMEN IMPREGNATED EXPANSION FILLER JOINT (TESTING METHOD – I.S: 10566 – 1983)

S.NO	CHARACTERISTIC	REQUIREMENTS
1	Resistance to Handling	No deformation or breakage while twisting / bending the strips
2	Recovery from the original thick	Minimum: 70%
3	Compression to 50% on thick	Required Load Between 7Kg/cm <sup>2</sup> & 53Kg/cm <sup>2</sup> Loss in Bitumen: 3% Maximum
4	Extrusion	Maximum free edge: 6.5mm
5	Water absorption	Maximum 20%
6	Density	Minimum 300Kg/m <sup>3</sup>
7	Bitumen Content	Minimum: 35%
8	Weathering	No Disintegration, No Delaminating, & No Ply separation.
9	Penetration of recovered Bitumen	Between 25 & 100 at 25 Degree C