MIXCELL JSM

Low friction sliding joint membrane

MIXCELL JSM is a low friction bearing, low capacity, strip suitable for use under concrete slabs and beams, structural steel membranes, bearing plates pipe supports etc. It provides a thin sliding joint between similar or different surfaces such as concrete, block work, brickwork and steel structures.

Appropriation

Mixcell JSM is used as a permanent sliding and bearing strips in all conditions of exposure subject to the loading conditions given in the PTDS. Such applications include, but are not limited to sliding joints under:

Pipe supports resting on bases
Bearing plates resting on walls or columns
Concrete or steel beams resting on walls or columns
Slabs resting on walls, beams or columns
Seperator / debonding layer between dissimilar materials
Sliding roof / wall joints

Characteristics

Wide application range includes:
Compatible with a wide variety of construction materials
Easy to handle
Available in a variety of sizes suits to site conditions

Technical Data & Properties

Form: Extruded high density polyethylene strips
Maximum working load: 0.25N/mm^2
Co-efficient of static friction: 0.20
Thick ness: 1.5mm and 2mm
Service temperature: -30 to +85^{0}c
Application temperature: 4 to 55^{0}c

Product Management

Surface preparation: The concrete surface to which Mixcell SJM is to be applied must be dry, smooth and free from other contaminants. Chip out any protrusions and fill holes, cracks broken edges with a suitable repair mortar. Cementitious substrates must be steel float finished.
Application procedure: Mixcell SJM is used as two layers. The two layer application is to provide a low friction sliding interface. Cut the strips to the required size and place them over each other, binding the edges with drafting tape to prevent contamination of the sliding joint during the construction and placement of concrete. After casting carefully slice through the tape using a scalpel or very sharp knife. For lengthy placement stagger the joints between the upper and the lower layers. Make sure the twin layers in position over the clean and dry lower surface using a high quality double sided tape or contact adhesive. Ensure that the upper and lower joints in the strip membrane are staggered so as not to be in contact with one other. When used as a separator or debonding strip. Mixcell SJM may be fixed in a single strip between the adjacent surfaces.

Packing

Mixcell is supplied in roll form

Thickness	Width	Roll length
1mm	1.5mtr	300 yards
2mm	1.5mtr	150 yards

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Storage: Store off the ground in cool and dry conditions

Health & safety

Mixcell R contains no hazardous substances; however wear suitable protective gloves and goggles whilst handling. For more details, please refer to the MSDS released on each Fab product

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THE CONSTRUCTION CHEMIST

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