

# MixCELL R

## Closed cell polyethylene foam back-up rod for construction / expansion joints

**MixCELL R** is flexible, readily compressible, and non-cross linked closed-cell polyethylene back-up filler strip for elastomeric sealants, supplied in rod form. The product is designed for the use in the construction / expansion joint filler in concrete, brick and block work. In a butt joint the sealant should adhere to opposite faces of the sealing slot but not to its base. Use MixCELL R as a bond breaker to prevent sealant adhering to the wrong surface (concrete or organic joint filler). It is light and durable material with excellent shock absorbing and heat insulating properties.

### Appropriation

MixCELL R - are used in various types of expansion joints, strips of suitable dia and Length can be used as padding at the edge of bitumen impregnated / closed expansion joint filler sheets.

Joints in trafficked surfaces, bridges, roads, runways and pedestrian areas  
Joints in concrete roofs, walls, cladding and floors

### Characteristics

**Readily compressible** – accepts temperature cycles with minimal load transfer

**Excellent recovery** - over 93% after release of load

**Non-absorbent** – closed-cell polyethylene prevents water absorption

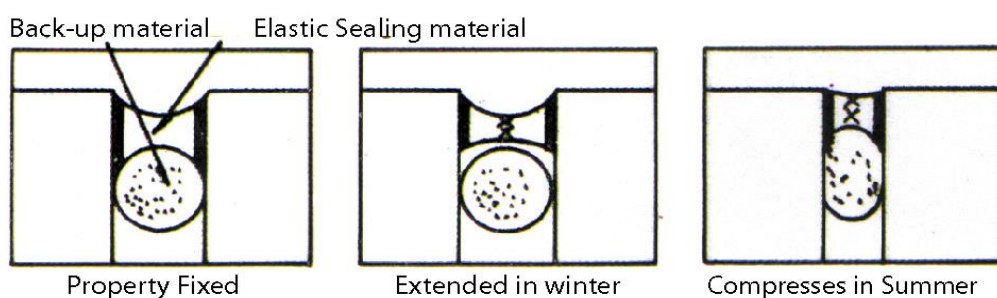
**Chemical resistant** – inert to most dilute acids and alkali, resistant to oil and hydrocarbons, Rot proof and CFC free

**Excellent weather resistant** - can be used in extreme hot or cold environment

**Light weight** – ease of use

**Easily worked** – can be cut just with a sharp knife; easy to transport and carry

- Quantity of sealant to be applied for perfect finishing.
- Availability in exact dia as per site requirement ensure minimum use of sealant
- Protective against the penetration of gasoline and inorganic solutions



### Technical Data & Properties

Form: Cellular strip	Specific gravity: 0.03g/ cm <sup>2</sup>
Density: 35-40kg/m <sup>3</sup>	Tear strength: 2.20kg/cm <sup>2</sup>
Recovery value: average 98%	Tensile strength: 4.10kg/cm <sup>2</sup>
Reduction in mass: nil	Compression strength: 0.34kg/ cm <sup>2</sup>
Weathering test: No disintegration	Repeating compression set: 8.6%
Water absorption: Nil	Creep value: 0.05kg/cm <sup>2</sup>
Operating temperature: +70 to -40 <sup>0</sup> c	Resiliency: 48%
Elongation: 150%	Thermal conductivity: 0.030kcal/mh <sup>0</sup> c
Expansion ratio: 30	Shrinkage at 70 c(%): 1.0
Compression set: 6.6%	Volume resistance: 1017 · · cm
Power factor (106c/s): 0.01%	Dielectric constant (106c/s) · · : 1.1



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Standard conforms to : ASTM C1253 – determining the out gassing potential of sealant backing  
Composition : Closed cell expanded polyethylene  
Colour : white, grey

### Product Management

MixCELL R is positioned to provide a surface sealing slot of required dimensions when used as an expansion or isolation joint filler in brickwork, to ensure that the sealing slot is free from mortar dropping or slurry bridging. MixCELL R is used as a back-up material to regulate the depth of the sealing slot and ensure the movement of the joint sealant is not restricted by adhesion to the base of the sealing cavity. The size of the back-up strip should be 5 to 10% greater than the joint width and depressed sufficiently to provide the required sealing slot dimensions.

### Packing and storage

Supply: Supply in rod sizes and shape up on request

Rod size in mm : 6, 8, 10, 12, 15, 20, 25, 30, 40, 50mm

Rod length: 100 rolls (from 6mm to 30mm)

30, 40 and 50mm are available in 2mtr pcs

### 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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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. climatic disparity in temperature, humidity, etc... and porosity of substrate may impinge on the values.

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