MIXCELL S – inorganic joint filler

(Formerly MIXFOAM)

Closed cell expanded polyethylene sheet for construction joints

MIXCELL S is flexible, readily compressible, closed-cell polyethylene and neoprene rubber joint filler supplied in sheet form. Strip and special size are available. The product is designed for the used as expansion joint filler in concrete, brick and block work, isolation joints and hinge joints. These are used as backup strips for elastomeric joints.

Appropriation

Low compression – 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

Characteristics

Mixcell S sheets are used in various types of expansion joints, strips of suitable width and thickness can be used as padding at the edge of bitumen impregnated expansion joint filler sheets.

- Quantity of sealant to be applied for perfect finishing.
- Availability in exact thickness and width as per site requirement ensure minimum use of sealant
- No need of back up rods if strips of correct thickness are used

Technical Data & Properties

MIXCELL S30

Density: 30kg/m^3
Recovery value: average 98%
Reduction in mass: nil
Weathering test: no disintegration
Water absorption: <0.7%
Tear strength: 2.80kg/cm^2
Operating temperature: +70 to -40^{0}c
Tensile strength: 3.20kg/cm^2

MIXCELL S40

Density: 40kg/m^3
Recovery value: 96%
Reduction in mass: nil
Weathering test: no disintegration
Water absorption: <0.4%
Tear strength: 2.80kg/cm^2
Operating temperature: +70 to -40^{0}c
Tensile strength: 3.20kg/cm^2

MIXCELL S60

Density: 60kg/m^3
Recovery value: 93%
Reduction in mass: nil
Weathering test: no disintegration
Water absorption: <0.35%
Tear strength: 2.80kg/cm^2
Operating temperature: +70 to -40^{0}c
Tensile strength: 3.20kg/cm^2

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Closed cell expanded polyethylene sheet for construction joints

Standard conforms to: BS5628 port 3
Composition: Closed cell expanded polyethylene
Colour: white, grey and black

Product Management

Mixcell S 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. Suitable adhesive may be used to position Mixcell S sheet but ensure not to contaminate the surface of the sealing slot with adhesive. When Mixcell S is used as a back up strips it uses 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 greater than the joint width, and depressed sufficiently to provide the required sealing slot dimensions.

Supply: sheet size 1mtr x 2mtr, thickness ranging from 2 to 50mm

Health & safety

Mixcell S 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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FAB

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

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