

MODseal BR

Closed Cell Polyethylene Backing Rod



Product Description

MODseal BR is a closed cell polyethylene foam BR supplied in circular section cords of varying diameters. MODseal BR is primarily used in expansion joints but is also suitable for use in any joint system requiring readily compressible joint filler containing no migratory chemicals, which could adversely affect joint sealants.

Product Features

- Closed cell
- No adhesion to sealants
- Odorless
- Excellent ageing characteristics
- Highly flexible and compressible
- Reduces sealant consumption
- Controls sealing depth
- Easy installation
- Non-staining
- Provides stability for caulking surfaces
- Seamless sealant support

Typical Uses

- Expansion joints between all common building materials
- As a bond breaker/joint profile former to support elastomeric sealants
- MODseal BR is used as a backing strip for nontraffic-bearing expansion joints.
- MODseal BR is used as a backing strip for expansion joints, as a gap filler for any open joints prior to application of any cold applied joint sealant and as a readily compressible, low load transfer joint filler in joints surrounding brick infill panel walling.
- Expand foam is used as a gap filler and backing strip to provide support to sealants in partition joints and around work tops, baths and other internal finishes and fittings.

Product Application

When used as an expansion or isolation joint filler, MODseal BR should be positioned to provide for a surface sealing slot of required dimensions, ensuring that the sealing slot is free from mortar

droppings, slurry, etc. When used as a backing strip, MODseal BR is simply push fitted back into the joint. The cord diameter used should be 20 to 30% greater than the joint width. The circular section of MODseal BR provides a convex face to ensure that applied elastomeric sealants are given optimum shape for minimum strain as the joint moves. Do not use sharp objects when fitting MODseal BR as any damage to joint backing may allow air voids to be formed in sealant.

Note: Correct fitting will result in an oval cross section, with depth of MODseal BR being greater than the nominal joint width, so care must be taken to ensure that correct sealant dimensions are maintained after fitting MODseal BR.

Roads, Bridges, Roof Joints:

MODSEAL BR is used as a backing strip for nontraffic-bearing expansion joints.

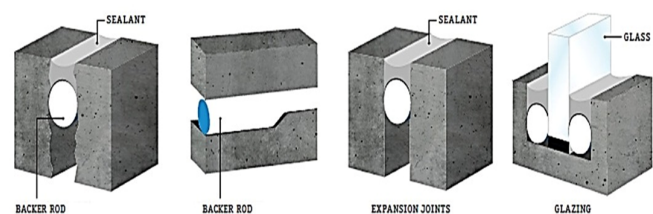
External Walling and Cladding:

MODSEAL BR is used as a backing strip for expansion joints, as a gap filler for any open joints prior to application of any cold applied joint sealant and as a readily compressible, low load transfer joint filler in joints surrounding brick infill panel walling.

Internal Finishes:

Expand foam is used as a gap filler and backing strip to provide support to sealants in partition joints and around work tops, baths and other internal finishes and fittings.

fig 1



Limitations

MODseal BR, as with other foam backing rods, is not suitable for use with hot pour sealants. Applications where joint backing must provide continual support for the joint sealant e.g. water retaining structures or floor joints subject to traffic, Hydrocele, semi rigid filler should be used.

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Packing

Thickness (mm)	Meter Per Pack	Color
6	800	White / Grey
8	800	White / Grey
10	800	White / Grey
12	800	White / Grey
15	360	White / Grey
18	200	White / Grey
20	200	White / Grey
25	100	White / Grey
30	100	White / Grey
40	100	White / Grey
50	100	White / Grey
70	100	White / Grey
75	60	White / Grey

Note: Above 30mm require a minimum quantity of 25 bags & 7-10 working days.

Product Technical Properties

Properties	Test Method	Result
Form	ASTM C 1330	Cross linked, compressible, closed cell foam or
Color	—	Grey & White
Weathering Test	—	No disintegration
Water Absorption	ASTM D 570	Negligible by volume (0.03-0.06 mg/cm ²)
Effects of Fire	—	Being a thermoplastic material, MODseal BR will melt. It is combustible but rate of flame spread will be reduced when confined within a joint
Nominal Density	ASTMD79 ASTMD 1622-1667	28-40 kg/m ³
Tensile Strength	ASTM C 1016 1623	50 PSI (345 KPA)
Temperature Range		-90 °F to 210 °F
Compression Recovery	ASTM D5249	> 98%

Product Picture (For Illustration)



Our Other Products & Range

- Primers all type
- Membrane all type & thickness
- Protection Board all type & thickness
- Geotextile (Non-Woven & Woven) all type & thickness
- Polystyrene / Insulation board all type & thickness
- Sealants all type
- Aluminum Flashing all type & thickness
- Filler / Bitumen Board all type & thickness
- Acrylic / Rubberized / Cementitious / Acrylic Cementitious / Polyurethane / Crystalline Coatings all type
- Water stoppers all type & thickness
- Dam proofing all type & thickness
- Polyurea / PU Foam
- Rockwool/Glasswool all type & thickness
- Polythene Sheet all type & thickness
- PP / Cartonal Board all type & thickness
- Injection Packer & Pump
- Geogrid all type & thickness
- Geocell all type & thickness
- Salt Barrier all type & thickness
- Root Barrier all type & thickness
- Root Guard all type & thickness
- Drainage Cell all type & thickness
- Backing/Foam rod all type & thickness
- Tile Glue
- Tile Grout (cementitious or Epoxy)
- Tile & Gravel
- GRP lining material
- HDPE/Geo-membrane Lining material

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- Fiber Mesh all type & thickness
- Cloth Mesh all type & thickness

Note

- This Technical Data is the average results of tests, measurements and trials carried out by Modern Seal Group (MSG) own laboratory and AMST laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- All the time of manufacturing, handling, storage, and shipping may change these properties.