



KM Polyethylene Square Backer Foam (Off-White)

Closed Cell Backer Foam

Material Description

KM Polyethylene Square Backer Foam (Off-White) is a closed cell, low density polyethylene foam material with a skin-like outer texture. It is highly flexible and compressible for easy installation with excellent resilient properties.

This is the ideal, non-absorbent and compressible backup material. It is inserted into a joint to control depth to create a backstop to:

- Allow proper sealant tooling;
- Allow proper sealant wetting of the joint surfaces;
- Yield a proper bond breaker between the Backer Rod and sealant;
- And used as temporary seal in gaps.

Compatibility

KM PE Backer Foam is compatible with butyl, polysulfide, acrylic, polyurethane, silicone and most other cold applied sealant compositions. Tested compatible with all GE Silicone Sealants, Sharpie Modified Silicone, Resyflex & Varoseal Polyurethane Sealant and Liberty 405 Acrylic Sealant.

Specific Uses

Commonly used in glazing installations, window and door applications, expansion joints, curtain wall joints, log construction, pavement joints, repairs, precast and copings.

~ Please consult our technical services for any enquiries and application concerns.

Technical Performance

Physical Properties		Results	Test Methods
Density	kg /m ³	30	ISO 845
Tensile Strength	MPa	> 0.22 > 0.18	ISO 1798
- Longitudinal			
- Transversal			
Elongation at break	%	> 150 > 180	ISO 1798
- Longitudinal			
- Transversal			
Compression stress strain at	kPa	> 9 > 27 > 78	ISO 3386
- Deflection 10 %			
- Deflection 25 %			
- Deflection 50 %			
Compression set (22 hours, 23°C) after compression release	%	- < 10	ISO1856
- 0.5 hours			
- 24 hours			
Operating Temperature	°C	-40 to +90	DIN 53431
Thermal Conductivity at	W/mK	approx. 0.035 approx. 0.037 approx. 0.040	DIN 52612
- 0°C			
- 23°C			
- 40°C			
Outgassing Potential		No Presence	ASTM C 1253
Color		Off White, Grey	Visual

Conditioning 72h at temperature of 23oC +/- 2 and 50% +/-5 relative humidity. The above figures are typical values only.

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Technical Data

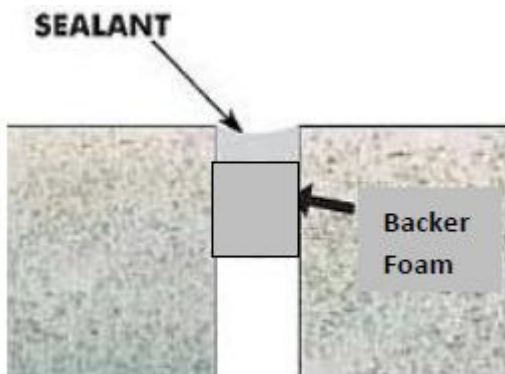
- PE Backer Foam is chemically inert and will resist oil, gasoline, common acids, lubricants, detergents and most solvents.
- This material will not stain nor adhere to sealant materials and is non-exuding.



Installation

- Joint or opening must be clean, dry and free of obstructions.
- Selection of suitable sizes should be 25 % wider than the Joint Width.
- Cut to length or use directly from spool.
- With a blunt instrument or roller, uniformly install foam at the level recommended by the sealant manufacturer, specifier or architect involved.
- Generally, the depth of the joint after the back foam is installed is one half of the width.
- Very large and very small joints vary in terms of this depth to width ratio.
- DO NO PUNCTURE, STRETCH OR OVERLY COMPRESS.

Common Application of Backer Foam



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