



UNITECH

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SEALANTS, ADHESIVES & CHEMICALS

BACKING RODS

DESCRIPTION

UNIPRO Closed-Cell Backer-Rod is a closed-cell, polyethylene foam joint filler and backing for elastomeric sealants. Its resilience accommodates dynamic joints.

COMPLIANCES

- ASTM C 1330, Type C

SIZES

- Ø 5 to 50mm

BENEFITS

- Low moisture absorption
- Installs easily and quickly
- Accepts joint movement
- Will not discolor sealants or substrates
- Compatible with cold-applied sealants
- Gives proper shape to sealant for effective function
- Requires no additional bondbreaker

FEATURES

- Closed-CELL Backer-rod
- Closed-cell polyethylene foam
- Lightweight
- Resilient
- Nonimpregnated, nonstaining, and nonbleeding
- Inert
- Round
- Nonadhering to sealants

WHERE TO USE

- Application
- Backing for sealants
- Precast panel joints
- Expansion joints
- Window-and door-frame perimeters
- Coping joints
- Glazing joints
- Isolation joints
- Control joints



TECHNICAL DATA

Properties	Test method
Color	White/Grey
Density	35Kg /cm ³ approx.
Service Temperature	-70 ° C to 90 ° C under normal usage
Weather Resistance	Will be degraded by prolonged exposure to U.V.
Heat Shrinkage	< 1 % (after 96 hours at 80 ° C)
Storage Requirements	Store flat, preferably under cover
Minimum Closed Cell	> 97%
Thermal Coefficient	0.035 Kcal/mh ° C @ 20 ° C / 0.04 W/M ° C @ 20 ° C
Ageing Stability	No structural change after 10 thermal cycles (-70 to 90 ° C)
Water Vapour Transmission	< 4 g/sqm/24 hours/50mm
Water Absorption	< 1% V/V after 24 hours total immersion
Tear Strength	10 N/sq cm (average based on 10mm)
Flammability	Will burn with very low toxic fumes and smoke emission (Carbon Dioxide and water vapour approx. 99% of combustion products).
Toxicity	Non-toxic under normal conditions of use.

HOW TO APPLY

Application

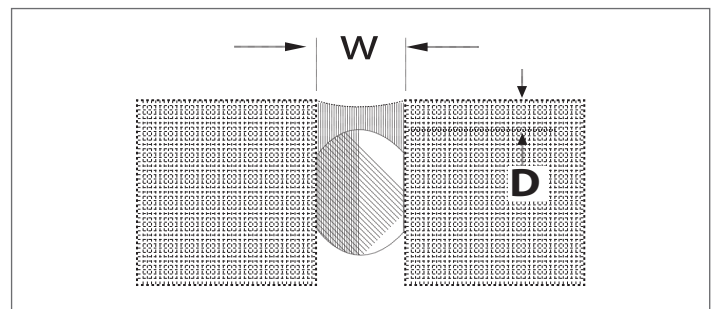
- Joint filters have three major functions:
 - To control the depth of the sealant in proper relation to joint width
 - To provide a backing against which the sealant is applied, forcing the sealant to the sides of the joint
 - To prevent 3-sided bonding, ensuring proper functioning of the joint sealant
- To install, compress backer-rod into the joint before sealants are applied
- Install backer-rod using a blunt probe or a plain-faced roller to force the rod to the desired depth.
- A template or roller gauge may be used to control the depth at which the rod is placed.
- DO NOT stretch backer-rod during installation but gently force into the joint so that the backer-rod fits tight against the sides of the joint.

APPROPRIATE BACKER-ROD SIZE

SIZING CLOSED-CELL BACKER-ROD

- For joint widths up to 19mm (¾"), the diameter of the rod should be 3 mm (1/8") larger than the width of the joint.
- For 19 mm (¾") wide joints, use 25mm (1") diameter rod.

APPLICATION



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