

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



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TECHNICAL DATA

Properties	Test method
Color	White/Grey
Density	35Kg /cm3 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

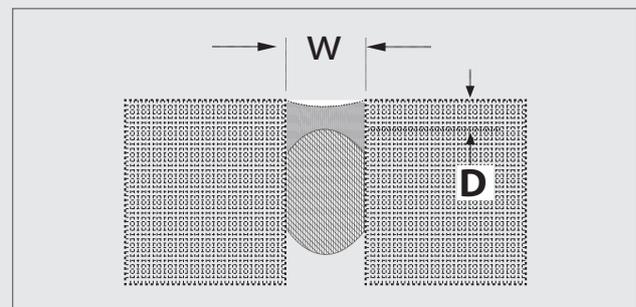
- Joint filters have three major functions:
 - To control the depth of the sealant in proportion to joint width
 - To provide backing against which the sealant is applied, forcing the sealant to the sides of the joint
 - To prevent side bonding ensuring proper functioning of the joint sealant
- To install, 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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JOINT SEALING

1. Follow suggestions for joint-sealant application as directed by sealant manufacturer.
2. Where priming of the joint is necessary, primer should be applied only to the joint surfaces and allowed to dry before Backer-Rod is placed. DO NOT prime Backer-Rod.

FOR BEST PERFORMANCE

- Do not puncture, fold, stretch, or crease Closed- Cell Backer-Rod.
- Follow sealant manufacturer's suggestions for joint sealant width - to - depth ratio.
- Do not use with hot applied sealants.
- For joints subject to puncture by high heels or umbrella points, a stiffer or higher density backup material is required. Cork or non-impregnated cane-fiber joint fillers are suitable. Separate materials from the sealant by a nonadhering, bondbreaker (polyethylene tape).
- Proper application is the responsibility of the user. Field visits by Unitech personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.



LOCATION

