

PE Backer rod

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Technical data

Material	Extruded PE foam
Cellular Structure	Closed cells
Density	Approx. 35 kg/m ³
Temperature resistance**	-40 °C → 70 °C
Insulation factor (DIN52612)	Ca. 46 mW/m.k
Elongation at break	Approx. 140% (longitudinal) - Approx. 130% (transverse) DIN 53571
Pressure resistance (DIN 53577)	20%: 0.03 N/mm ² 50%: 0.1 N/mm ² 70%: 0.2 N/mm ²
Water absorption (DIN 53428) Vol%	1h: 0.8% 24h: 1.35% 7 days: <3%

Product description

PE Backer rod is a round profile made from closed cell extruded polyethylene foam, mainly used as a backfilling for connection and expansion joints in the construction industry.

Properties

- High flexibility
- Adhesion barrier to prevent 3-point adhesion of the sealant
- Helps control joint depth for correct joint dimensions
- Reduces sealant consumption
- Supports the sealant during finishing
- Has sufficient compressive and breaking strength
- Compatible with Soudal sealants
- Inert product

Applications

- Placed as backfilling in horizontal and vertical connection and expansion joints before applying the joint sealant.
- Closed cell PE backer rods are mainly used for joints under water pressure or mechanically loaded.
- Suitable for use with cold applied sealants such as silicones, polyurethanes, hybrid polymers, acrylic sealants,...

Packaging

Colour: grey

Packaging: Various sizes available. Please consult the product catalogue, the Soudal website or a Soudal representative.

Shelf life

Unlimited

Application method

Before applying the backer rod, the joint must be prepared as prescribed by the sealant manufacturer. Apply PE backer rod compressed in the joint. Use the correct diameter to prevent movement in the joint. Diameter of the backer rod should be 25 to 50% larger than the joint width. Apply backer rod evenly to the desired depth (see sealant manufacturer's instructions). Do not apply the backer rod with a sharp object. Make sure there are no breaks between the different pieces of backer rod and that they fit properly.

Remarks

- Not suitable for hot applied joint sealants.
- If the skin of a closed cell foam is inadvertently punctured during the application of the backer rod, let the present gas release before applying the sealant (at least 30 minutes). Otherwise gas bubbles may form in the wet sealant.

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.