

# Conflex® Backer Rod

LIGHT & DURABLE CLOSED CELL POLYETHYLENE BACKER ROD FOR JOINT SEALANTS

## DESCRIPTION

**Conflex Backer Rod** is a closed cell polyethylene foam supplied in circular cord lengths.

## USES & ADVANTAGES

**Conflex Backer Rod** is used at the base of joint openings to provide the proper shape factor in a sealant.

It is also water repellent, highly weather proof and chemical resistant.

### Uses:

- Expansion joints.
- Horizontal paving or traffic bearing joints.
- Joints between exterior facing panels.
- Isolation joints.
- Control joints in masonry walls.
- Pipes, ducts and vent openings.
- Precast roofs.

### Advantages include:-

- Economical and easy to install.
- Excellent shock absorbing and heat insulating properties.
- Chemical resistant.
- Provides proper shape factor.
- Provides support for sealants in horizontal joints.
- Acts as a water barrier.

## PROPERTIES

**Appearance:** Light and durable grey backing rod

**Density:** 41-50 kg/m<sup>3</sup>

**Thermal Conductivity:** 0.027 w/mk at 10°C mean temperature and not subject to aging over a period more than 5 years (ASTM C177)

### Tensile Strength

Longitudinal Direction: 44.6 N/cm<sup>2</sup>

Lateral Direction: 38.7 N/cm<sup>2</sup>

### Elongation

Longitudinal Direction: 84.3 %

Lateral Direction: 77.0 %

**Shore A Hardness:** 25

(ASTM D2240)

### Tear Strength

Longitudinal Direction: 35.5 N/cm

Lateral Direction: 29.5 N/cm

**Water absorption:** 0%

**Temperature Range:** -80 / +85°C

**Ozone Resistance:** No crack (ASTM D1149)

**UV Resistance:** > 5 years (ASTM G53-88)

**Chemical Resistance:** No change

**Oil Resistance:** No change

## APPLICATION

The diameter of the backer rod is recommended to be approximately 20 to 25% larger than the width of the joint.

It should be positioned so that the required minimum sealant depth can be obtained. The circular section of the backer rod provides a convex face giving a minimum strain shape for elastomeric sealants while reducing the stress at the bond interface.

## PACKAGING

Size	Pack Size
Diameter 6 mm.	100 metres / box.
Diameter 8 mm.	100 metres / box.
Diameter 10 mm.	100 metres / box.
Diameter 13 mm.	100 metres / box.
Diameter 15 mm.	100 metres / box.
Diameter 20 mm.	100 metres / box.
Diameter 25 mm.	50 metres / box.
Diameter 30 mm.	50 metres / box.
Diameter 50 mm.	2 metres / box.

## STORAGE & SHELF LIFE

Store in clean area & dry conditions.

### DO NOT PUNCTURE.

Shelf Life is indefinite. In hot climate it is preferable not to leave exposed for long periods.

## HEALTH & SAFETY

There are no health hazards associated with **Conflex Backer Rod** in normal use.

## TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

## QUALITY ASSURANCE

ISO 9001 : 2008 verified by TUV Nord.

## CONTACT DETAILS

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Rev.011 Nov 2014

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