

## PRODUCT DATA SHEET

# PEF CLOSED CELL BACKER ROD

## PE FOAM BACKER RODS FOR JOINT FILLING

NULON PEF closed cell backer rod is manufactured in New Zealand by Nulon, from high quality closed cell, Low Density Polyethylene foam. It is a circular joint backing material, primarily for use in conjunction with elastomeric sealants.

### USES

Backer rod is rolled into joint gaps at a consistent depth to form a firm base for controlling the depth of gun applied elastomeric sealants. Backer rod is used for forming the base of vertical and horizontal joints typically found in the following applications:

- Joints between precast concrete panels
- Expansion joints between bricks and masonry
- Saw cut joints in concrete floors
- Backing for joints and changes in direction in tiled surfaces
- Around penetrations through walls and floors
- Perimeter joints around timber and aluminium windows and doors
- As draught or dust proofing stop in applications where elastomeric sealing is not required

### CHARACTERISTICS

- Weather resistant\*
- Closed cell – no water absorption
- Sealants do not adhere to PE foam
- Allows sealant to adhere on 2 faces so sealant has unrestricted movement
- Nontoxic, suitable for applications in food preparation areas
- Easy to install
- Wide range of sizes available
- Resistant to most chemicals
- Easily compressible, good rebound expansion
- Extremely light weight

*\*PE Backer rod does not contain UV inhibitors; it is therefore not designed for extended exposure (>6 months) to UV light.*



# PRODUCT INFORMATION

Chemical Base	Closed cell polyethylene foam (PEF)
Packaging	<b>Nulon PEF Rod is available in the following packaging combinations:</b>

Diameter	Length / Reel	Reels / Carton	Product code
6mm	200m	12	BRCC 06-200-R
8mm	150m	12	BRCC 08-150-R
10mm	200m	6	BRCC 10-200-R
13mm	125m	6	BRCC 13-125-R
15mm	100m	6	BRCC 15-100-R
20mm	100m & 150m (XL Reel)	3 / 2	BRCC 20-100-R / BRCC 20-150-RXL
25mm	80m & 120m (XL Reel)	3 / 2	BRCC 25-80-R / BRCC 25-120-RXL
30mm	50m & 75m (XL reel)	3 / 2	BRCC 30-50-R / BRCC 30-75-RXL
40mm	50m loops	Bagged*	BRCC 40-2m / BRCC 40-50m
50mm	2m lengths	Bagged*	BRCC 50-2m
60mm	2m lengths	Bagged*	BRCC 60-2m

\*Available in any length when made to order.

Appearance / Colour	Grey, smooth waxy surface finish
Shelf-Life	Indefinite
Storage Conditions	Store in original packaging in cool, dry conditions.
Density	35-39 kg/m <sup>3</sup>
Chemical Resistance	Unaffected by acids, oils and most solvents, wastewater and most industrial chemicals. Can break down with exposure to a limited number of alkalis, for more conformation on specific compound exposure contact Nulon.
Service Temperature	-40°C to +70°C
Thermal Conductivity	0.035 W/mk (m <sup>2</sup> of surface area)

## APPLICATION INSTRUCTIONS

PEF Rod should be selected to have a diameter 25-30% greater than the width of the joint being filled, this ensures it remains in place during sealant application.

When installing backer rod, it is essential that a rounded edge tool is used, this avoids cutting or puncturing the foam surface. Puncturing of the backer rod's waxy surface can cause 'off gassing' that may lead to bubbles appearing in the uncured sealant. Any section of backer rod damaged during installation should be replaced. Using a backer rod application tool is strongly recommended.

The rod must be positioned to achieve a uniform predetermined depth from the proposed sealants surface, without twisting, gaps, or undulations in the surface.

During installation avoid excessive stretching of the rod, this reduces the rod's diameter and therefore compression in the sides of the joint.

Refer to the sealant provider's guide, regarding information on joint design and calculation of joint movement.

### HEALTH AND SAFETY

This product contains no substances which are intended to be released under normal or reasonably foreseeable use conditions that negatively affect human health.

### LEGAL NOTES

*The information contained herein, and the recommendations relating to the application and end-use of Nulon backing rods, are given in good faith based on our knowledge and experience of the products when properly stored, handled and applied under normal conditions. Due to differences in materials, sealants, substrates and site conditions no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, shall be inferred either from this information, or from any recommendations, or advice offered. The user of the product shall test the product's suitability and compatibility for the intended application and purpose.*

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