

Polyrod

Closed cell polyethylene backing rod

Non absorbent backing rod to maintain proper width to depth ratio and avoid 3 side adhesion of sealants.

CHARACTERISTICS

- ▶ Controls joint depths and ensures a proper width to depth ratio
- ▶ Non absorbent surface eliminates three sided adhesion of the elastomeric sealant
- ▶ Forces sealant to have maximum sidewall adhesion
- ▶ Closed cell structure does not allow the absorption of moisture or air
- ▶ Lightweight and compressible. Can easily be accommodated in joints of varying widths
- ▶ Highly resilient. Accommodates dynamic joints
- ▶ Chemically inert
- ▶ Fully compatible with a wide variety of sealants
- ▶ Non-staining
- ▶ Rot proof



DESCRIPTION

Polyrod is a closed cell, non absorbent and chemically inert polyethylene foam flexible rod. Polyrod is designed for use as a compressible joint backing material for elastomeric and a wide variety of cold applied joint sealants.

FIELDS OF APPLICATION

- expansion, isolation, control and coping joints
- highway and pavement joints
- curtain walls
- perimeter of window and door frames
- parking decks
- pre-cast panels
- log home chinking

APPLICATION INSTRUCTIONS

Joint preparation

The joint surface must be clean, dry and free from oil, loose particles, cement laitance and other contaminants which may affect the adhesion. A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required



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to expose a clean and sound substrate. On painted surfaces all loosely adhering paint must be removed, if in doubt remove all previous decorations. Remove all round or sharp edges and corners which might perforate or cause damage to the backing rod. The compressible joint filler shall be cut back to expose a uniform joint depth.

Installation

Select a backer rod whose diameter is at least 20% larger but not greater than 33% of the joint width. This will ensure that the backer rod remains in compression and in place during sealant installation. The backing rod shall be inserted into the joint by using a blunt tool or roller and forced gently into the joint till the desired depth is achieved, whilst making no damages to the joints & edges.

CAUTION

Do not damage or poke holes in the backer rod during or after installation, since this may cause air bubbles in the sealant and affect its performance. Also, do not fold or overly stretch and compress the backer rod during installation. Ensure that it fits in tight against the sides of the joint. Polyrod installation shall be done only after the necessary primer has been applied to the edges of the joints.

STANDARDS

Polyrod complies with the requirements of ASTM C 1330, type C.

STORAGE

Store in a cool, dry place and keep away from all sources of heat.

HEALTH & SAFETY

Polyrod is combustible and will ignite if exposed to sources of heat or fire. There is no health hazard associated with the product.

SUPPLY

Polyrod (mm Ø)	6, 10, 15, 20, 25, 30, 40, 50
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TECHNICAL SPECIFICATION

PROPERTIES	VALUES
Form	Compressible closed cell circular foam cords
Color	White/grey
Density, [g/cc]	0.03 ± 0.005
Durability	Excellent
Dimensional stability	Excellent
Service temperature, [°C]	-40 to 70

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.