

BACKING OF ELASTOMERIC AND OTHER COLD APPLIED SEALANTS

DESCRIPTION

PENETRON® BACKING ROD is an extruded, closed cell polyethylene foam, available in rods of different diameters and lengths. It is used as a filling material for elastomeric and other cold applied sealants. It is chemically inert and will not stain or adhere to sealant materials. Therefore acts as a bond breaker strip permitting the most efficient joint design.

RECOMMENDED FOR

PENETRON® BACKING ROD is used in expansion or construction joints to:

- ▶ Control the depth of applied sealant
- ▶ Act as a barrier interface to prevent three sided adhesion
- ▶ Control the width to depth ratio of the joint, for a suitable sealant application

Typical applications and uses:

- ▶ Expansion joints
- ▶ Construction joints
- ▶ Windows
- ▶ Precast units
- ▶ Doors
- ▶ Pavements
- ▶ Settling cracks
- ▶ Doors

ADVANTAGES

- ▶ Easy to apply
- ▶ Closed cell structure
- ▶ No bonding or adhesion on sealant
- ▶ Available in a wide range of dimensions
- ▶ Highly flexible and compressible
- ▶ Good temperature resistance
- ▶ Good resistance to most chemicals, oil, gasoline and solvents
- ▶ Odorless

TECHNICAL CHARACTERISTICS

Type	Extruded Closed Cell Polyethylene Foam
Color	White, grey
Temperature resistance	40 to 158 °F (-40 to 70 °C)

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

DIRECTIONS FOR USE

Surface Preparation: Surfaces must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper or hard brush. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent. Pre-cast elements, using form-release agents other than polyethylene film, must be sandblasted or mechanically abraded and dust free.

Application: Cut PENETRON® BACKING ROD, of suitable diameter, on the desired length and place it in the joint, at the appropriate depth. Place the backing rod by hand or by a blunt tool or roller. Then, apply the proper sealant, according to the guidelines supplied by the manufacturer.

NOTE: Place PENETRON® BACKING ROD and do not puncture or cut the surface skin of the rod. Avoid 90° angles and excessive mechanical and thermal stress.

BACKING OF ELASTOMERIC AND OTHER COLD APPLIED SEALANTS

SPECIAL CONSIDERATIONS

The following matrix contains the Indicative Information, regarding the desirable Width to Depth ratio (W:D) of the expansion joint, when a PENETRON® BACKING ROD is placed in the joint (The Depth is considered the distance between the surface of the joint to the surface of the backing rod).

Expansion Joint Width	W:D
Up to 15 mm	1 : 1
15 – 30 mm	1 : 2/3
Above 30 mm	1 : 1/2

Contact PENETRON HELLAS S.A. for further information, regarding your project.

PACKAGING

PENETRON® BACKING ROD (Ø mm)	Length (m)
6	1.500
8	1.200
10	680
15	250
20	180
25	100
30	100
40	200
50	130
60	80

STORAGE / SHELF LIFE

When stored in a dry enclosed area off the ground in unopened, undamaged cartons, away from heat sources or direct sunlight, shelf life is unlimited.

SAFE HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. For further information please refer to Safety Data Sheet. PENETRON HELLAS S.A. has recently updated Safety Data Sheet on the safe use of PENETRON® products. Each Safety Data Sheet contains health and safety information for the protection of your employees and your customers.

WARRANTY – DISCLAIMER

PENETRON HELLAS S.A. warrants that its products are manufactured under certified ISO Standard procedures, are of excellent quality and shall be free from material defects and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON HELLAS S.A. shall be limited to replacement of the material proven to be defective, since the standard application procedures have been met and the suitability of the product for the particular application have been proven. PENETRON HELLAS S.A. makes no warranty as to merchantability of fitness for a particular purpose. User, after contacting the distributor of the product, shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. While every care has been taken, the information provided in this product's data sheet make no part of any contract. All recommendations, technical data and test data contained in this product's data sheet are based upon the results of control laboratory tests or in actual field tests. However, PENETRON HELLAS S.A. makes no warranty of any kind, concerning this data. In any case, this data are given in good faith based in the PENETRON HELLAS S.A. experience, till the publication of this sheet. Due to variance in storage, handling and applications of the materials, PENETRON HELLAS S.A. accepts no liability for the results obtained. It is suggested that potential users try small applications to determine the suitability of each individual product for their specific requirements. The users should always refer to the most recent edition of the product's data sheet. PENETRON HELLAS S.A. may particularly differentiate its versions of the product's data sheet compared with those of PENETRON INTERNATIONAL LTD or respective PENETRON companies worldwide. These changes are due to text formatting, different application weathering and procedures or different product names and aim at the optimal consumer information.

PENETRON HELLAS S.A.
G.E.MH. No: 07278001000
Athens Headquarters - Greece
50 - 52, Thrakomakedonon Av.
136 79 Acharnes, Greece
T: +30 210 2448250
F: +30 210 2476803
info@penetron.gr, www.penetron.gr