

# MEGASEAL CORD

## Polyethylene Closed Cell Packing Rod

### Description:

MEGASEAL CORD is a closed cell polyethylene foam supplied in circular cord lengths and available in different diameter sizes to fit all sizes of joints. It is characterized with minimal water absorption and highly weather proof.

MEGASEAL CORD is used at the base of joint openings to provide the proper support for sealants when applied in joints and can be applied for horizontal and vertical applications.

### Applications:

MEGASEAL CORD is specifically used to provide a resilient filling and support base in expansion joints for the applied elastic sealant into the joint. It can be applied in all types of joints and in various areas of construction applications including:

- Expansion joints in walls and floors.
- 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 and prefabricated concrete panels.
- Around windows and door frames.

### Advantages:

- Economical and easy to install.
- Provides proper shape factor and firm backing for sealant.
- Provides support for sealants in horizontal joints.
- Exceptionally flexible with superior resistance from deterioration.
- Act as bond breaker with minimum strain shape for joint sealants.
- Withstands adverse weather conditions

### Instructions for Use:

#### Surface Preparation:

All the side surfaces of the joint must be dry, smooth, clean, free from dust, laitance or loose materials. To ensure proper cleaning. It is highly recommended to use compressed air or a wire brush in order to remove further dirt, oil stains and other inconsistencies.

#### Application:

The diameter of the MEGASEAL CORD 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.

TECHNICAL PROPERTIES	
Appearance	: Compressible, closed cell, extruded polyethylene circular cord
Color	: White or Grey
Thermal Conductivity	: 0.027 w/mk at 10°C
Density	: 25 kg/cm <sup>3</sup>
Durability	: Not subject to aging for 5 years
Tensile Strength	
Longitude Direction	: 42.0 N/cm <sup>2</sup>
Lateral Direction	: 34.0 N/cm <sup>2</sup>
Elongation	
Longitude direction	: 80.0%
Lateral direction	: 70.0%
Shore A hardness	: 25
Water absorption	: NIL
UV resistance	: 5 years
Elasticity (%)	: 10
Temperature resistance	: -20°C to +80°C
Resistance to Solvent	: Good
Resistance to Deformation	: Excellent
Dimensional Stability	: Excellent

# MEGASEAL CORD

**Storage:**

Store away from direct sunlight in dry conditions.

**Packaging:**

MEGASEAL CORD is available in different diameters  
50 LM long roll.

Available diameters: 10mm, 20 mm, 25mm, 30mm

**Shelf Life:**

5 years if stored in temperature controlled  
warehouse.

**Health and Safety:**

There are no health hazards in connection with  
MEGASEAL CORD in normal use.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.



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