

# ENESEAL XL

Closed cell polyethylene backing board  
ASTM D1752

## DESCRIPTION

**ENESEAL XL** is a non-extruding, non-absorbent, semi rigid, closed cell polyethylene board designed as a joint filler material particularly for expansion joints in concrete, block work and masonry. **ENESEAL XL** is bitumen free, rot proof and has high compression & recovery, therefore, it can accommodate thermal and other structural movements without the risk of load transfer or reflective cracking through the designed joint. It also provides support and accurate depth measurement for subsequent joint sealant materials.

## USAGES

- **ENESEAL XL** is typically used to fill expansion and movement joints between concrete, brickwork, blockwork, and masonry where bituminous fiber boards are not recommended.
- **ENESEAL XL** is highly recommended for joints in water retaining or excluding structures and can also be used to stop vibration or seismic movement transfer around foundations, piles, and pile caps, or act as a separation layer between new and existing structures.

## TECHNICAL DATA

ENESEAL XL	Typical values
Appearance	Semi-rigid closed cell sheet
Density (ASTM D-792)	33, 40, 60 kg/m <sup>3</sup>
Color	Greyish black
Water Absorption (ASTM D3575)	< 1%
Recovery (ASTM D3575)	98% after 50% Compression
Compressive Strength (ASTM 3575)	0.15 N/mm <sup>2</sup>
<u>Chemical resistance</u> (ASTM D1308)	
ethyl alcohol 50%	Good
Alkali solution	Good
acid solution	Good
oils and fats	Good
Weathering Test	No disintegration
Bacteriological Attack	Resistant

## USAGE INSTRUCTIONS

### 1. Surface preparation

To form expansion joints in new concrete, brickwork, blockwork, and masonry, construct one side of the joint prior to fixing **ENESEAL XL**.

### 2. Application

#### New expansion joints

Cut the **ENESEAL XL** using a sharp knife to the desired length and shape to fill the full depth of the expansion joint.

Before fixing in place, cut a strip off the measured piece to the same depth as the sealant that will be applied to finish the joint, and tack the strip back on to the sheet securely using pins or nails.

Fix the measured **ENESEAL XL** including the tacked strip in place against the completed side of the joint to the full depth, with the tacked strip on the same face as the required joint sealant.

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A contact adhesive from **ENEBOND** range can be used to spot bond the **ENESEAL XL** in place. Allow the contact adhesive to set before constructing the other side of the joint.

#### Existing expansion joints

For existing expansion joints; we recommend using **ENESEAL XL** thickness of 10-20% greater than the width of the existing joint, to ensure a snug fit particularly when the joint opens.

Simply squeeze the **ENESEAL XL** into the existing joint to the desired level so as to create a slot to the specified width and depth for the subsequent joint sealant.

**ENEBOND** can also be used to spot bond multiple sheets together for customized thicknesses.

After the joint has been constructed, we recommend sealing the joint with an appropriate sealant from the **ENESEAL** range.

ENESEAL XL	Dimension (m)	Thickness (mm)
ENESEAL XL	1 x 2	10, 15, 20, 25, 30 & 50

## HEALTH & SAFETY

Do not expose **ENESEAL XL** products to fire or naked flames under any circumstances.

Refer to the product MSDS for full health & safety.

## STORAGE & SHELF LIFE

Keep **ENESEAL XL** has a maximum shelf life of 12 months from the date of manufacture.

Keep away from direct sunlight with a minimum temperature of 10°C

### TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:  
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