

## NUCELL 500

High performance water industry cross linked Polyethylene Joint Filler

### Description

Nucell 500 is a high performance cross linked polyethylene expansion joint filler specifically designed to be used in water retaining and water excluding structures subjected to hydrostatic pressures.

### Advantages

- Non absorbent closed cell structure.
- High compression recovery.
- High density cross linked structure.
- Ability to resist hydrostatic pressures.
- Non tainting.
- Inorganic therefore rot proof.

### Surface Preparation

The sealing slot should be formed to the required dimensions ensuring that the sealing slot is free from mortar and debris.

### Application Instructions

The formation of in-situ joints in concrete can be easily achieved by using Nucell 500 in the following way.

Cut off a strip of Nucell 500 to the required slot depth of the joint. Nail the strip back onto the main sheet using 2" nails at 100mm centres then locate the joint filler flush with the finished concrete surface.

Just prior to sealing, the top strip can be peeled away to provide an uncontaminated sealing slot. As elastomeric sealants will not bond to Nucell 500 the need for a bond breaker tape is eliminated.

### Technical Information

Form:	Compressible cross linked polyethylene sheet.
Weathering Test:	No disintegration
Recovery:	Greater than 70%
Water Absorption:	Negligible
Nominal Density:	70 Kg/M <sup>3</sup>
Specification Compliance: DTp Road and Bridge Specification for Highway works 1986 Part 3 Clause 1015. Hong Kong General Specification for Civil Engineering Works.	

### Packaging

Sheet Size: 960mm x 2250mm  
 Sheet Thickness: 10, 15, 20 and 25mm  
 N.B. Special sheet sizes and widths may be supplied depending upon quantity and delivery requirements.

### Storage

To be stored in a dry place and not left exposed to the elements for extended period especially in hot climates.

### Health & Safety

There are no health hazards associated with Nucell 500 in normal use.

### Limitations

Being made from a thermoplastic material, Nucell 500 will burn on contact with direct heat.

### Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Local technical representatives are available to provide further assistance.