

## Nucell 500

### High Performance Water Industry Polyethylene Joint Filler

#### Description

Nucell 500 is a high performance cross linked polyethylene joint filler specifically designed to be used in water retaining and water excluding structures which are 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
- Rot proof
- Heat Resistant

#### Technical Information

Form	Compressible cross linked polyethylene sheet
Weathering test	No disintegration
Compression recovery	>95 %
Water absorption	<0.5 %
Nominal density	61.5 kg/m <sup>3</sup>
Heat resistance @ 200°C	No shrinkage
25 % compression deflection force	0.82 kgf/cm <sup>2</sup>
Specification compliance	DTp Highway Works 2005: part 3 clause 1015  ASTM D5249-10 for a Type 2 material

#### 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 100 mm 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.

#### Packaging

Sheet Size: 960 mm x 2250 mm

Sheet Thickness: 10,15, 20 and 25 mm

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 periods especially in hot climates.

#### Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.



## Limitations

Being made from a thermoplastic material, Nucell 500 will char on contact with direct flame.

For airfield joints, use compressed-fibre or paper-cord with hot applied joint sealant, rather than Nucell 500.

## Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

## Technical Support

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