

HYPERSEAL DP EJ SERIES

Hydrophilic Rubber
Technical Data Sheet

DP-3030N



Description

Hyperseal DP-3030N is a hydrophilic rubber waterstop with an embedded stainless steel wire mesh with high tensile and compressive strength.

Hyperseal DP-3030N prevents water flowing by compression from the rubber's natural resilience and moisture-induced expansion. DP-3030N will fill any void within the limits of its' expansion capability.

Uses

Hyperseal DP-3030N is designed to be used in expansion joints. It is an excellent waterstop for use on shear movement joints.

Typical Areas of Application

- Expansion joints
- Elevated slabs and ramps
- Bridge decks

Advantages

- Resistant to freeze / thaw
- Long-lasting durability
- Easy to install, requires no welding or complex detailing
- Can be applied to rough surfaces with the use of Hyperseal XSeal
- Swelling properties unaffected by long term wet/dry cycles
- Sustains effective seal in submerged environments
- Safe for potable water and zero VOC



Physical Properties

Form:	Flexible rubber strip
Colour:	Red
Expansion volume:	> 150%
Elongation:	> 550%
Tensile strength:	> 25kg/cm ²
Hardness:	Shore 'A' 35-55
Specific gravity ASTM D-792:	> 1.10
Vulcanization:	Yes
Packaging:	5m per roll 30mm x 30mm 2 rolls per box

Design Criteria

Hyperseal DP-3030N can be installed to either a channel formed in the concrete or directly onto the concrete surface.

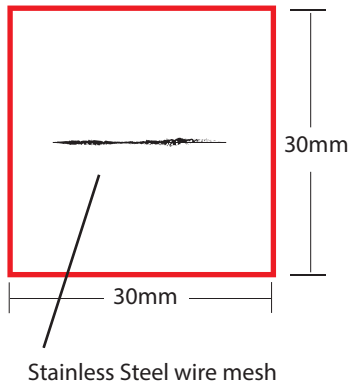
For quick installation, it is recommended that a relatively smooth surface be provided along the path of the joint; however irregular surfaces can be accommodated by using Hyperseal XSeal as an adhesive.

Always ensure that there is a minimum of 50mm cover from the edge of the concrete to the face of the Hyperseal DP-3030N to prevent concrete blow-outs. Where possible, situate the Hyperseal DP-3030N between two rows of reinforcing steel as this will assist in preventing product displacement.

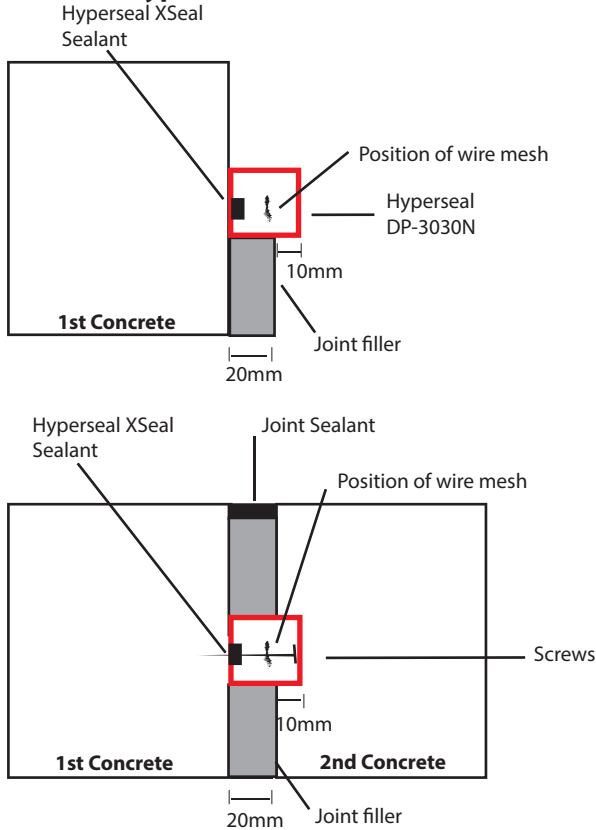
Application Instructions

1. Prep work - surfaces must be made good and should be sound, stable, dry, clean and free from contaminants.
2. Adhere Hyperseal DP-3030N by using screws, generally 250mm spacings, rubber adhesive or Hilti construction adhesive depending on choice and site conditions.
3. In the case of rough concrete- apply a bead of Hyperseal XSeal before placing Hyperseal DP-3030N. Another option is to place a small bead of Hyperseal XSeal on both sides of the Hyperseal DP-3030N.
Do not allow any gaps between Hyperseal DP-3030N and the concrete. Screw must be perpendicular to the stainless steel wire mesh.

Drawing of Hyperseal DP-3030N



Installation of Hyperseal DP-3030N



Safety

Before using or handling materials, please read all relevant Material Safety Data Sheets (MSDS).

Storage

Hyperseal DP-3030N can be stored unopened for 12 months in a cool, dry place below 25°C. Any leftover material from site usage should be immediately returned to the original box and stored as outlined.

Limitations

- Do not apply when air temperature is below 10°C and above 32°C.
- Product is not designed for joints subjected to hydrostatic pressure. Please consult the manufacturer for further recommendations.
- Product is not designed for long term UV exposure or foot traffic.
- Do not apply product directly onto damp surfaces.

Warranty

The seller warrants that at the time of shipment its products are free from manufacturing defects and, when applied in accordance with the current specification and application instructions, will perform as so stated in its product literature. Project specific warranties are available on request. Please consult your nearest distributor for further information.

Product Disclaimer

The technical details, recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standard, our instructions and recommendations are only for the uses they are intended. Hyperseal Waterstops does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product. We also reserve the right to update information without prior notice to reflect ongoing research and development programs. The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with any relevant items.

Technical Support

For any additional information not expressed in this document, please contact us via the details below.