

Hyperseal DP-2005

High performance hydrophilic waterstops



Description

Hyperseal DP-2005 is made of bentonite free high performance polymer modified chloroprene rubber strips. The swelling action is the result between water and hydrophilic groups which are part of the Hyperseal DP-2005 molecular structure.

Expansion of the waterstop creates a positive seal against the face of the concrete joint and prevents the water entry into the structure through the protected joint.

Applications

Hydrophilic waterstop can be applied against existing concrete and are simply installed by nailing or using a hydrophilic adhesive. In contact with water, Hyperseal DP-2005 strips react and swell to form a compression seal.

Hydrophilic strips are suitable for installation in contraction and construction joints. Hyperseal DP-2005 is used primarily for foundation walls slabs, slabs-on-grade, pre-cast wall panels, manholes, pipe connections, box culverts, utility and wet wells, and potable water tanks.

Advantages

- ▲ Active protection-Hyperseal DP-2005 hydrophilic waterstop swell in contact with water to form an effective compression joints.
- ▲ Simple application and jointing techniques.
- ▲ Slow expansion rate to prevent damage to freshly placed concrete during curing.
- ▲ Retains original shape after repeated and contraction.
- ▲ Swelling properties unaffected by long term wet/dry cycling.
- ▲ Sustains effective seal in wet conditions

Method of Installation

Hyperseal DP-2005 can be installed either by suitable adhesive using Hyperseal DPS or mechanically by nails. When using Hyperseal DPS adhesive, extrude enough materials on a sound clean substrates and immediately fix firmly Hyperseal DP-2005 into Hyperseal DPS adhesive.

Technical Properties:

Colour:	Blue or beige
Service temperature range:	-30 to 70°C
Shore A Hardness:	≥ 30
Expansion volume: (fresh water)	≥ 200%
Hydrostatic pressure resistance:	> 50 m (5 bars)

Also Hyperseal DP-2005 can be fastened in place using masonry nails at approximately 300 mm centers. Care should be taken however to ensure that the substrate has sufficient strength to enable a mechanical fixing to be securely driven without damaging the Hyperseal DP-2005.

Alternatively, a groove can be cast into concrete to facilitate application. Hyperseal DP-2005 is suitable for use in most weather conditions, but heavy rain or prolonged immersion will cause premature swelling.

Should this occur, it will be necessary to allow it to dry out, or be dried with a hot air gun before concrete pouring takes place. Hyperseal DP-2005 should not be used in expansion joints, or any concrete section of less than 150 mm width.

Packaging

Hyperseal DP-2005 dimensions are 20 mm x 5 mm, supplied in (15 m x 10 rolls/box).

Cautions

Health and Safety

There are no known hazards associated with Hyperseal DP-2005 during normal use.

For further information refer to the Material Safety Data Sheet.

Hyperseal DP-2005

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

www.dcp-int.com

