

Hyperseal DP-2010H

High performance hydrophilic waterstops for use with fresh and sea water



DESCRIPTION

Hyperseal DP-2010H is made of bentonite free high performance polymer modified chloroprene rubber strips. The swelling action is the result between water (fresh or saline) and hydrophilic groups which are part of the Hyperseal DP-2010H 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, hydrophilic strips react and swell by a minimum of 150% of their original dimensions to form a compression seal.

ADVANTAGES

- » Active protection- Hyperseal DP-2010H hydrophilic waterstop swells in contact with both fresh water and saline (sea) water to form an affective compression joint.
- » Slow expansion rate to prevent damage to freshly placed concrete during curing.
- » Retains original shape after repeated and contraction.
- » Resistant against fuel hydrocarbon spillages.

STANDARDS

Hyperseal DP-2010H complies with KS M 6518.

METHOD OF INSTALLATION

Hyperseal DP-2010H 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-2010H into Hyperseal DPS adhesive.

Also Hyperseal DP-2010H can be fastened in place using masonry nails of 400 - 600 mm length at approximately 300 mm centers, provided that the nails are penetrating around 20 mm into the substrate and sufficient distance is provided between the top of the nail and Hyperseal DP-2010H.

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-2010H. Alternatively, a groove can be cast into concrete to facilitate application.



TECHNICAL PROPERTIES:

Colour:	Black, blue, or red
Service temperature range:	-30 to 70°C
Expansion volume:	
Fresh water	≥ 150%
Saline water	≥ 80%
Hydrostatic pressure resistance:	> 50 m (5 bars)

Hyperseal DP-2010H 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-2010H should not be used in expansion joints, or any concrete section of less than 150 mm width.

PACKAGING

Sheet sizes:
DP-2010, (H): 20 mm x 10 mm . (10 m x 10 rolls/box).

Other sizes are available upon request

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CAUTIONS

HEALTH AND SAFETY

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

For further information refer to the Material Safety Data Sheet.

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