Hyperseal DP

High performance hydrophilic waterstops

DESCRIPTION

Hyperseal DP 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 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 strips react and swell to form a compression seal.

Hydrophilic strips are suitable for installation in contraction and construction joints. Hyperseal DP 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 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 expansion and contraction.
- Swelling properties unaffected by long term wet/dry cycling.
- Sustains effective seal in wet conditions.

METHOD OF INSTALLATION

Hyperseal DP 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 into Hyperseal DPS adhesive.

Also Hyperseal DP 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.

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

Alternatively, a groove can be cast into concrete to facilitate application. Hyperseal DP 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 should not be used in expansion joints, or any concrete section of less than 150 mm width.

PACKAGING

- DP-2003: 20 mm x 3 mm. (30 m x 10 rolls/box).
- DP-2004: 20 mm x 4 mm. (25 m x 10 rolls/box).
- DP-2005: 20 mm x 5 mm. (20 m x 10 rolls/box).
- DP-2010, (N): 20 mm x 10 mm. (10 m x 10 rolls/box).
- DP-2020, 20 mm x 20 mm. (10 m x 2 rolls/box).
- DP-2520, 25 mm x 20 mm. (10 m x 2 rolls/box).

(N) Option: center stainless net insert.

CAUTIONS

HEALTH AND SAFETY

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

For further information refer to the Material Safety Data Sheet.

Ayla for Building Materials Industry & Trade
Mosel Road, Erbil
Oweirj Industrial, Baghdad
info.iraq@dcp-int.com
www.dcp-int.com

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