

Hyperseal DP-2010H Method Statement (High performance hydrophilic waterstops for use with fresh and sea water)

Section A : General Comments

High temperature working

It is suggested that, for temperatures above 40°C, the following guidelines are adopted as good working practice:

- (i) Unmixed materials and equipment should be stored in a cool and dry place and away from direct sunlight.
- (ii) Plan for enough material, tools and labour to avoid any stoppage during the application process.
- (iii) Avoid application through peak temperatures of the day.

Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

<i>Protective clothing</i>	:	<i>Protective overalls</i> <i>Thick gloves, goggles and face mask</i>
<i>Preparation equipment</i>	:	<i>Stiff wire brush</i>
	:	<i>Soft brush</i>
	:	<i>Air compressor</i>
<i>Application equipment</i>	:	<i>Masonry nails wire brush</i>
	:	<i>Sealant application gun</i>
	:	<i>Cutting tool (ex. Scissors)</i>

Section B : Application

1.0 Surface Preparation

- 1.1 Prior to the application clean the substrate and ensure it is sound, dry, and free from contaminations such as form release agents, curing compounds, laitance, dust, dirt, cavities, projecting nibs, etc.
- 1.2 Laitance should be removed by grit blasting or wire brushing.
- 1.3 Any surface imperfections should be repaired with a suitable cementitious repair mortar

Note: a minimum of 150 mm reinforced concrete width is required to accommodate the pressure developed during the swelling process.



expertise



quality



full range

2.0 Application

2.1 Fixing Hyperseal DP-2010H onto the substrate using Hyperseal DPS-200:

- 2.1.1 Hyperseal DP-2010H should be cut to the appropriate required length prior to the application.
- 2.1.2 Cut the cartridge top of Hyperseal DPS-200 and place the cartridge in the sealant gun.
- 2.1.3 Extrude the adhesive firmly onto the substrate with a bead diameter of not less than 15 mm and with no discontinuities.
- 2.1.4 Directly after extruding Hyperseal DPS-200 press Hyperseal DP-2010H firmly on top of the adhesive.
- 2.1.5 Connections and corners must be butt jointed with Hyperseal DPS-200.
- 2.1.6 Allow 24 hours for curing before pouring concrete on top of the joint.

2.2 Fixing Hyperseal DP-2010H onto the substrate using nails:

- 2.2.1 Ensure that the substrate can withstand mechanical fixing without being damaged or damaging Hyperseal DP-2010H
- 2.2.2 Hyperseal DP-2010H should be cut to the appropriate required length prior to the application.
- 2.2.3 Place Hyperseal DP-2010H onto the substrate and nail the beginning of the roll in place, masonry nails of 400 - 600 mm length are usually used.
- 2.2.4 Fix masonry nails in a series of 300 mm consecutive distances between each other, ensuring that the nails are penetrating around 20 mm into the substrate and sufficient distance is provided between the top of the nail and the top of applied Hyperseal DP-2010H.
- 2.2.5 In-Line connections should be staggered in an overlap of 2 - 3 cm and fixed in place using nails for a better seal.
- 2.2.6 Corner connections must be butt jointed and fixed in place using nails.

3.0 Cleaning

- 3.1 Tools and equipment can be cleaned with a paper towel and the wiped by using DCP Solvent.

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Hyperseal DP-2010H**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



expertise



quality



full range