

Hydroswell

Ancillary Products

Hydroswell Adhesive Technical Data Sheet / Method Statement

Product Description

- Cartridge applied high strength Bentonite based adhesive for fixing/adhering Bentonite/Butyl based waterbars, such as Hydroswell Bentsstrip and Bentsstrip Marine, at construction joints where nailing or tie wiring is not suitable.

Product Application/s

- For use in fixing/adhering Hydroswell Bentsstrip to smooth surfaces in horizontal and vertical applications. In instances where the Hydroswell Bentsstrip needs to be installed vertically, the additional use of Hydroswell Bentosteel mesh, nailed with washers or fixed with tie wire is required if there is the likely of potential sagging of the Hydroswell Bentsstrip.

Product Advantages

- Simple to install with a standard caulking gun:
 - Excellent initial tack;
 - Excellent adhesive strength retention;
- Cost effective:
 - The product can be installed onto dry or damp surfaces (although any standing water should be removed).

Site preparation

- Prior to application of Hydroswell Adhesive, firstly ensure that the surface is clean for rust, oil or other residues that could affect bonding. If using on concrete the surface should be free from dust, dirt, debris and any standing water.
- Pierce the top of the cartridge. Place the cartridge into the caulking gun.
- Install the Hydroswell Adhesive to the substrate surface ensuring that sufficient force is applied to provide a good contact with the substrate face. Install a bead of approximately 8mm width. Once applied, press the Hydroswell Bentsstrip firmly into the adhesive for approximately 5-10 seconds to ensure that full contact has been made. The recommended temperature for application is above 5°C.

Consistency	Paste
Colour	Grey
Tack Free (20oC	Approximately 30 minutes
Dry Mass	65%
pH	8.5
Fibre/Filler	0%
Ignition Temperature	170°C
Curing (20°C)	Approximately 12/24 hours
Shore A Hardness	Approximately 25
Specific Weight	1.3g/cm ³
Changes in Volume	150%
Minimal Application Temperature	5°C
Temperature Resistance (Drying)	0°C – 50°C
Application Temperature	Above 5°C
Appearance during application Appearance after curing	Mastic Grey Rubber

The consumption of Adhesive per linear metre is dependent on the roughness of the substrate surface. On average a bead of 8mm will yield 6 metres.

Packaging – 310ml cartridge. Caulking guns are to be provided by applicator.

Health & Safety – Please consult the relevant MSDS

Shelf Life – If stored correctly the product and unopened will remain usable for 24 months from date of manufacture.

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