

Description

Gripset BRW Swell Seal is a high performance, reinforced, multi-purpose self-adhesive, hydrophilic butyl rubber waterstop, that swells to form a water-tight seal. Designed for static or low movement construction joints, cold joints, and penetrations. Designed for use on a variety of concrete surfaces BRW Swell Seal offers a long-lasting, durable, watertight compression seal protecting against moisture ingress. BRW Swell Seal provides a high performance waterstop with ease of application and swelling action as a result of the combination its butyl rubber, stainless steel reinforcement and hydrophilic components.



Features & Benefits

- Self-adhering application
- Creates long lasting compression seal
- Watertight sealing properties
- High strength core reinforcement
- Expansion delay to avoid premature swelling
- Wet/Dry cycle resistance
- Primer-less application (on dust free and stable surfaces)
- Suitable for submerged environments
- Easy workability and deformability over substrates
- Excellent thermal stability
- Flexible
- Outstanding adhesion retention at low temperatures
- Withstands common ground contaminants
- No drying required
- Solvent free and non-toxic
- Ability to be used in conjunction with Gripset underground/immersed systems

Application

- Concrete foundations and walls
- Concrete slabs, including elevated ramps
- Lift pits
- Precast construction
- Pools, tanks, water containing structures.
- Tunnels, pipes and underground vaults
- Marine environments
- General shotcrete and pile applications

Surface Preparation

- Surfaces must be clean, smooth and dust free
- Surfaces must be dry and free of any residual moisture to avoid pre swell
- Rough surfaces must be levelled or smoothed with Gripset SB

Installing BRW Swell Seal Waterstop

Can be installed directly onto the concrete surface or to a formed channel in the concrete. Optimum results achieved applying Swell Seal onto even smooth surfaces. Undulating surfaces may slow the application.

Ensure a 50mm cover from the edge of the concrete to the face of the Swell Seal to prevent any concrete blow-outs.

Swell Seal should be positioned between two rows of reinforcing steel to assist to support optimum product placement.

- Joint surfaces to be free of loose dirt, dust and debris.
- Place Swell Seal in position, and remove release backing from the adhesive side in small sections.
- Apply moderate hand pressure to press a continuous roll of Swell Seal firmly onto the surface
- Ends are to be butt-joined or kneaded together to form a continuous watertight seal.
- Check adhesion of the Swell Seal strip is correctly and fully adhered to surfaces.
- Gripset 11Y can be applied as a surface adhesion enhancer on surfaces where bonding may be compromised. Apply Gripset 11Y to surface, allow to tack off then place Swell Seal onto the primed areas.
- For extremely rough surfaces, fill voids first and then use Gripset SB to adhere the Swell Seal.
- Placement of concrete can commence once Swell Seal is correctly bonded to surfaces. Care must be taken to ensure the Swell Seal is not dislodged during the concrete application.

Storage conditions

- Product is best used within 12 months of purchase; however properties of product will be unchanged if stored correctly
- Best stored at room temperature in dry internal conditions
- Not affected by frost, or cold floors

Packaging

5m roll lengths, 25mm width x 10mm thick

Precautions

- Not to be left exposed to wet environments prior to covering with concrete to avoid pre swell. Product must be allowed to dry if premature contact with water occurs.
- Do not apply solvent based surface finishes or adhesives directly over this product
- For further information contact technical department of Gripset Industries

TECHNICAL DATA

Colour	Grey
Thickness	10mm
Solids	100%
Specific gravity (ASTM D71)	1.35g/cm ³
Hydrostatic resistance	>500KPa (50m Head pressure)
Expansion capability	>150%
Application temperature	0° C to 45° C
Service temperature	-40° C to 80° C

Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services.

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Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.