



AVM Aussie Swell® S (Slim Waterstop) Expandable Bentonite Waterstop

AVM System 941, Aussie Swell® S, a Thin Expandable Bentonite Waterstop

Sections 031100 / 031500 / 031513.16
Expandable Waterstop

Product Name

Aussie Swell® S

Manufactured by

AVM Industries, Inc.
8245 Remmet Ave, Canoga Park, CA 91304
888.414.1041 818.888.0050
www.avmindustries.com

Product Description

Aussie Swell S is a slim hydrophilic strip waterstop (3/4" wide x 3/8" high x 33.4' long) that is a formulated blend of sodium bentonite & butyl rubber. Aussie Swell S is an active waterstop which reacts with water to seal construction joints within concrete. The seal resists hydrostatic pressure, stopping the passage of water through the joint. Due to the sodium bentonite content, on contact with water, Aussie Swell S will swell (expand) within its confinement, self-injecting into localized voids & minor fissures. Aussie Swell S is an active waterstop designed to replace passive PVC/Rubber waterbars, without the need for pre-formed intersections, split forming or seam welding.

Where to Use

Aussie Swell S is a slim Waterstop designed for applications with minimal concrete coverage (requires a minimum of 2" concrete coverage on all sides) that can be applied to concrete, steel or pipe (PVC). Coil ends are butt jointed (not overlapped) to form a continuous waterstop. Use in concrete joints, pipe penetrations, wall-to-floor joints, irregular surfaces, etc.

Advantages

- A waterstop for thinner concrete applications.
- Requires minimal concrete coverage – as low as a minimum of 2" concrete coverage on all sides.
- Non-dimensional swell allows complete injection to surrounding voids.
- Conformable – can be applied to a range of irregular substrates.
- Resists in excess of 6 bar (60m) hydrostatic pressure.
- Swells many times more than its dry volume to form impenetrable gel.
- Simple butt jointing on site application.
- Reproducible swell after wet-dry cycle.
- Unaffected by freeze/thaw cycling.



Limitations

- Aussie Swell S is not designed to function in movement/expansion joints.
- Aussie Swell S is designed for minimum 2000 PSI reinforced concrete. Furthermore, it requires confinement and it must be covered by minimum 2" concrete on all sides. For applications with more than 3" of coverage on all sides, use Aussie Swell Red.
- Aussie Swell S should not be subjected to submersion or remain in contact with water prior to concrete pour. If the product exhibits any considerable swell prior to concrete pour it must be replaced.
- In conditions where severe ground water or chemical contamination exists or is expected consult manufacture for approval.

Warranty

AVM's Standard 5-year material warranty applies. Contact AVM for warranty information.

Delivery, Storage, and Handling

- Delivery of all the Aussie Swell® S components to the job site must be in their original sealed packaging, with manufacturer's name and label intact.
- Store indoors in a cool DRY place (away from heat or moisture) at temperatures between 50°F and 90°F. Do not store materials in direct sunlight or where they may be damaged by water or rain.
- Keep all materials out of the reach of children.

Project Conditions

Do not apply materials at temperatures below 20°F, or above 110°F if applying in direct sun light.

System Application

Remove the release film from the Aussie Swell S waterstop and firmly embed the waterstop into a continuous bead of Aussie Seal M sealant/adhesive. (bead should be a minimum 1/4 diameter) Aussie Swell S ends should be butted together verses overlapped or side-by-side. Aussie Swell S waterstop must have a minimum of 2" (50mm) of concrete coverage on either side of the product. Concrete should not be poured until Aussie Seal M has fully cured (24 hours) or has sufficiently dried to keep the Aussie Swell S in place while concrete is being poured. Contact an AVM representative should you have any further installation questions. Aussie Swell S should not be exposed to rain or groundwater for any extended period before concrete coverage. Refer to our pre-hydration technical chart in the Installation Instructions for acceptable and non-acceptable pre-hydration.

Quality Control

Visually inspect the installed Aussie Swell S product to ensure it is properly adhered to substrate and that it has not been subjected to premature hydration. Consult with manufacturer if you have any questions.

Protection of Installed Work

The completed Aussie Swell S system shall be protected until concrete is poured over it. Maximum exposure to UV is 30 days.

Availability and Cost

Contact an AVM authorized distributor for availability and pricing.

Technical Services

Technical services are available by contacting our offices at: **888.414.1041** or **818.888.0050** or visit **www.avmindustries.com**

System Specifications

See next page.

The following coverages are based on controlled tests. Actual coverages may vary.

Item/Component	Item Size	Qty / Box	Qty per Pallet	Weights			VOC
				Each	Box	Pallet	
Aussie Swell S Coil	33.4 LF (10.18 M)	6 Coils	180 Coils (30 Boxes)	5.5 lbs	33 lbs	1070 lbs	N/A
Aussie Seal M Cartridge	10.1 oz (300 ml)	12 Cartridges	105 Boxes / 1260 Cartridges	1.0 lb	12.2 lbs	1281 lbs	15 g/l
Aussie Seal M Sausage	20 oz (600 ml)	12 Sausages	45 Boxes / 540 Sausages	2.0 lbs	24.4 lbs	1098 lbs	15 g/l

Roll Dimensions: 3/4" wide x 3/8" high x 33.4' feet long

For a complete list of details in CAD or PDF, please visit our website at www.avmindustries.com.

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