

Waterstop-Strip

Strip applied hydrophilic swelling rubber

CSI Div. 03

03 15 13.16 Expanding Waterstops

LEED Points

IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants...1 Point
 Using this AQUAFIN product can help contribute to LEED certification of projects in the category shown above.

Product Description:

Waterstop-Strip is a strip applied hydrophilic rubber swelling waterstop for use in all kinds of cast-in-place concrete construction joints, as well as steel, concrete and thick-walled PVC (min. 1/8" (3.1mm)) pipe penetrations. When exposed to water, the rubber expands, creating a compression seal within the joint or pipe penetration, blocking the passage of water.

Typical Applications:

- Vertical and horizontal cast-in-place concrete joints where limited movement is expected.
- Around through-wall pipe penetrations.
- Ideal for new concrete structures or between new and existing concrete.

Advantages:

- Easy to use
- Rapid expansion
- Dimensionally stable, even at high temperatures
- Reproducible swell after wet/dry cycling
- Suitable for fresh and salt water
- Contains no bentonite

Substrate Preparation:

- Concrete surfaces and/or pipe must be clean and free from laitance, dirt, dust and any other bond inhibiting substances.

Application:

- It is essential that there is at least 3" coverage of concrete from the side exposed to water.
- Bond Waterstop-Strip with a suitable adhesive, such as Bostic ISR 940A, 3M 740 Hybrid, SoudaSeal FC or equal.
- Apply a bead of adhesive and press the Waterstop-Strip into the adhesive until it oozes out from beneath. A 3/16" x 1/4" (~4.5 - 6mm) bead will yield approximately 30 lineal ft (9 m) of coverage. Do not begin the placement of concrete for at least 8 hours after bonding. Ensure that the waterstop makes complete contact with the substrate. Waterstop connections can be made by overlapping by 2" (50 mm) or by butt jointing. The waterstops must be placed tightly together to prevent gaps. Butt jointed waterstops must be covered by a separate section of waterstop with a 1 1/4" (31.75 mm) overlap to both sections.
- Alternately, Waterstop-Strip can be fastened with masonry nails, 1 1/2 - 2" (40 - 50mm) long with a 3/4" (20 mm) diameter washer. Space nails at a maximum of 8" (200 mm) centers with a minimum spacing to ensure proper substrate contact.

Technical Properties:	
Physical state	thermoplastic elastomer rubber
Color	Red
Bulk Density	1.25 g/dm ³
Dimensions	0.2" x 0.78" (5mm x 20mm)
Start of swelling (water contact)	approx. 6 hours
Swelling capacity	approx. 50% after 2 hours approx. 460% after 24 hours approx. 850% after 8 days
Expansive pressure	1.06 N/mm ²
Toxicity	none
Application temperatures	14°F (-10°C) - 113°F (45°C).

Limitations:

- Store the waterstop dry.
- Protect the waterstop from moisture until the concrete is poured.
- Before concrete placement, visually inspect the waterstop. Swollen waterstop is unsuitable and must be removed.
- Do not use around PE pipe.

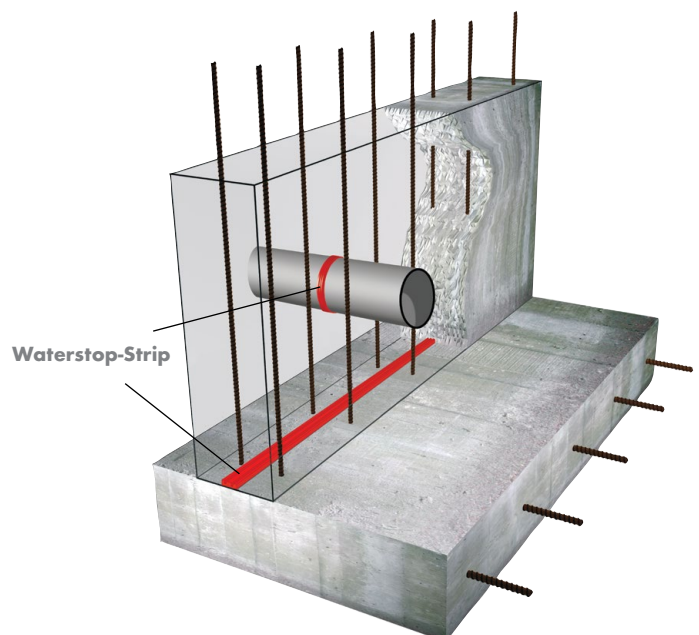
Shelf Life:

2 years, stored dry, frost free, in the original unopened packaging.

Packaging:

Roll = 131 lineal feet (40 meters)

Box = 5 rolls (655 ln ft (200 m))



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Note:

Proper application is the responsibility of the user. Field visits by AQUAFIN personnel are for the purpose of making technical recommendations and not for supervising or providing quality control on-site.

Health & Safety:

Refer to SDS.

LIMITED WARRANTY: AQUAFIN, INC. warrants this product for a period of one year from the date of installation to be manufactured free of defects and to be consistent with its technical properties as stated in our current Technical Data Sheet. This product must be used as directed and within its stated shelf life. AQUAFIN INC. will replace or at our discretion refund the purchase price of any product, excluding cost of labor, which is proven to be defective. Our product recommendations are based on industry standards and testing procedures. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. We assume no warranties written, expressed or implied as to any specific methods of application or use of the product. AQUAFIN INC. MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. AQUAFIN, INC. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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