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Technical Datasheet

AQUAFIN® JOINT SEALING TAPE-2000-S

For expansion/control joints and cracks in concrete water structures

CSI Div. 07

07 16 13 Polymer-modified Cement Waterproofing

LEED Points

IEQ Credit 4.2, Low-Emitting Materials Paints and Coatings...1 Point
Using this AQUAFIN product can help contribute to LEED certification of projects in the category shown above.

Product Description:

JOINT SEALING TAPE-2000-S is a state-of-the-art, highly tear resistant, waterproofing tape which prevents the passage of moisture and water through concrete joints and cracks.

Typical Applications (positive side only):

- Expansion/control joints in concrete:
 - Below grade foundations
 - WTP (water treatment plants) and WWTP (waste water treatment plants)
 - Fountains, pools, water tanks (2K/M stand alone only)
- Cracks in concrete:
 - Below-grade foundations
 - WTP (water treatment plants) and WWTP (waste water treatment plants)
 - Fountains, pools, water tanks, underneath tiles
- Change in plane tile applications over concrete (refer to TCNA guidelines)

Advantages:

- NSF/ANSI 61 potable water approved (when used with AQUAFIN-2K/M)
- Quick and easy installation
- Waterproof



Substrate Preparation:

Refer to 2K/M Technical Data Sheet.

Product Application:

JOINT SEALING TAPE-2000-S is bonded to concrete with AQUAFIN-2K/M flexible cementitious waterproofing material.

Refer to the AQUAFIN-2K/M Technical Data Sheet for mixing and application instructions.

Apply first (base) coat of AQUAFIN-2K/M, extending a minimum of 3/4" (20mm) beyond either side of tape. Immediately embed JOINT SEALING TAPE-2000-S into the first coat uniformly, leaving no wrinkles, using a trowel or similar tool. To connect tapes, after installing the first tape, overlap a second tape a minimum of 4" (100mm) using AQUAFIN-2K/M.

Allow 3 to 4 hours to cure. Then, cover the JOINT SEALING TAPE-2000-S with a second coat of AQUAFIN-2K/M and smooth the surface with a damp brush. In expansion joints, allow as much slack in the tape as needed to allow joint movement.

Technical Data:

Product:	JOINT SEALING TAPE 2000-S
Material:	membrane embedded in fabric backing
Color:	white
Thickness:	20 mils
VOC Content:	0
UV Resistance:	>500 hrs. (DIN EN 150 ISO 4892-2)
Elongation:	600% (ASTM D-638)
Tear Resistance:	2,175 psi (15.0 MPa) (ASTM D-2240 - modified)
Temperature Resistance:	-8°F (-22°C) to 194°F (90°C)

Alkali Resistance:

- Resistant against boiling in sodium hydroxide with a pH of 12
- Resistant against boiling in 2% potassium hydroxide (minimum 10 minutes)
- Waterproof - resistant to hydrostatic pressure

Other Resistances:

- Highly resistant against oil, grease and solvents
- Good weathering resistance
- Excellent decomposition resistance (microbes)
- Good UV resistance

Packaging:

- 4¾" (120 mm) x 164 ft. (50 m) rolls
shipping weight: 5 lbs. (2 kg.)
- 8" (200 mm) x 164 ft. (50 m) rolls
shipping weight: 8 lbs. (3.5 kg.)

Yield/coverage:

A 46 lb. (21 kg) unit of AQUAFIN-2K/M adheres approximately 85 ft. of 4¾" wide tape or approximately 57 ft. of 8" wide tape.

Actual coverage may vary due to substrate conditions.

Limitations:

Do not use AQUAFIN JOINT SEALING TAPE-2000-S in negative side applications exposed to direct hydrostatic pressure.

Do not use AQUAFIN-1K as an adhesive for AQUAFIN JOINT SEALING TAPE-2000-S

Shelf Life:

Two years, when stored in a dry, enclosed area, in original packaging.

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.

AQUAFIN® JOINT SEALING TAPE-2000-S

Health & Safety:

Refer to MSDS.

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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