

AQUAFIN® CRACK SEALING TAPE

For sealing cracks in concrete prior to application of waterproof coatings

CSI Div. 09

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:

AQUAFIN CRACK SEALING TAPE is an elastomeric, highly tear resistant, waterproof tape, comprised of a polyester fabric with a PVC elastomer coating.

Typical Applications:

- For sealing cracks in concrete prior to the application of AQUAFIN-2K/M system in waterproofing applications.

Advantages:

- Quick and easy installation
- Waterproof
- Permanently flexible
- UV stable/resistant
- Highly resistant against oil, grease and solvents
- Excellent decomposition resistance (microbes)

Substrate Preparation:

The substrate must be sound, clean, and free from voids or ridges, bug holes, honey combs, and open pored (like medium grit sand paper).

- Remove bond breakers, such as oil, grease, dirt, loose particles, remains of form oils, water repellents, rust or other coatings by high pressure water-blasting (>5000 psi (34.5 MPa)) or wet or dry sandblasting.
- Prepare surfaces by mechanical means to obtain a surface profile of CSP 3 - CSP 5 per ICRI Guideline No. 310.2-R-2013.
- Repair holes, defects, irregular surfaces, weak mortar joints, etc. with MORTAR-V/O or MORTAR-LN.
- Close large open pores and joint recesses of CMU blocks and joint unevenness in brick walls with MORTAR-V/O or MORTAR LN.
- Dampen substrate with clean water to saturated surface dry (SSD) condition, with no standing surface water.
- Static cracks should be routed out in a "u" shaped configuration, approximately 3/4" (20 mm) wide x 1" (25 mm) deep and filled with a suitable concrete repair product, such as AQUAFIN QUICK PATCH, MORTAR V/O, MORTAR-40 CI or MORTAR-LN.
- Dynamic (moving cracks) should be filled with a suitable urethane sealant or chemical grout. Pre-soak the area of concrete to be taped with clean water to a saturated surface dry (SSD) condition, with no standing surface water.

Physical and Technical Data	
Material:	Polyester fabric with a PVC elastomer coating
Color:	Gray or White
Thickness:	Approx. 1/32" (0.8 mm)
Elongation:	80%
Tear Resistance:	2,175 psi (15.0 MPa) (ASTM D-2240 - modified)
Temperature Resistance:	-4°F (-22°C) to 140°F (60°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
Yield: (Linear Feet of Tape per unit of AQUAFIN-2K/M used for adhesion)	~85 ft Tape per 46 lb. (21 kg) kit Aquafin-2KM ~145 ft Tape per 77 lb. (35 kg) kit Aquafin-2KM
Coverage:	1 roll covers 4-3/4" (120 mm) x 164 ft. (50 m)
All above values theoretical. Variations may apply due to substrate conditions. Thickness per application or lift, up to 50 mils (1.25 mm).	

Product Application:

- AQUAFIN CRACK SEALING TAPE is bonded to concrete with AQUAFIN-2K/M flexible cementitious coating.
- Refer to the AQUAFIN-2K/M Technical Data Sheet for mixing instructions.
- Apply a coat of AQUAFIN-2K/M, extending a minimum of 3/4" (20mm) beyond either side of tape.
- Immediately embed AQUAFIN CRACK SEALING TAPE into the 2K/M uniformly, leaving no wrinkles, using a trowel or similar.
- To connect tapes, after installing the first tape, slightly overlap a second tape a minimum of 1/2" (12mm) using AQUAFIN-2K/M.
- Allow 3 to 4 hours to cure before applying the first coat of AQUAFIN 2K/M system.

Limitations:

Before applying the final coat of AQUAFIN 2K/M, inspect the areas sealed with the AQUAFIN CRACK SEALING TAPE. For aesthetic reasons, a light

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sanding or grinding of the 2K/M used to adhere the AQUAFIN CRACK SEALING TAPE may be necessary to “smooth” out the area.

Cracks will often telegraph through any overlay material. While crack repair is recommended before application of AQUAFIN 2K/M, AQUAFIN does not warrant that cracks will not reappear, even when following established repair techniques.

Packaging:

4-3/4" (120 mm) x 164 ft. (50 m) rolls

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.

Health & Safety:

Refer to SDS.

LIMITED WARRANTY: AQUAFIN, INC. warrants its products to be manufactured free of defects for one year and to be consistent with its standard high quality. We will replace or, at our election, refund the purchase price of, any product which is proven to be defective, provided that the product was properly applied. Our product recommendations are based on Industry Standards and testing procedures. We assume no warranties either 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.

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