

AQUAFIN® CRACK SEALING TAPE

For sealing cracks in concrete prior to application of traffic bearing cementitious coatings

CSI Div. 09

09 97 32 Concrete and Masonry Coatings

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 and the AQUAFIN DECORFLEX system in traffic bearing applications (pedestrian and vehicular).

Advantages:

- Quick and easy installation
- Waterproof
- Permanently flexible
- UV stable - resistant to weathering

Substrate Preparation:

The substrate must be sound, clean, and free from voids, gaping cracks or ridges and open pored (like fine 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 waterblasting or wet or dry sandblasting, diamond cup grinding, etc. Pay particular attention to sufficiently roughen slab and wall substrates to ICRI CSP 3 to 5 profile. 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, AQUAFIN MORTAR-40 or AQUAFIN 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.

Product Application:

AQUAFIN CRACK SEALING TAPE is bonded to concrete with AQUAFIN-2K/M or DECORFLEX-P flexible cementitious coatings. Refer to the AQUAFIN-2K/M or the DECORFLEX Technical Data Sheets for mixing instructions. Apply a coat of AQUAFIN-2K/M or DECORFLEX P, extending a minimum of 3/4" (20mm) beyond either side of tape. Immediately embed AQUAFIN CRACK SEALING TAPE into the 2K/M or DECORFLEX P 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 or DECORFLEX P. Allow 3 to 4 hours to cure before applying the first coat of AQUAFIN 2K/M or the AQUAFIN DECORFLEX system.

Technical Data:

Product:	AQUAFIN CRACK SEALING TAPE
Material:	polyester fabric with a PVC elastomer coating
Color:	gray and white
Thickness:	1/40" to 1/33" (0.62 to 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

Other Resistances:

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

Packaging:

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

Yield/coverage:

A 46 lb. (21 kg) unit of AQUAFIN-2K/M adheres approximately 85 ft. (26 m) of tape.

A 77 lb. (35 kg) unit of AQUAFIN-2K/M adheres approximately 145 ft. (44 m) of tape.

A 30 lb. (13.6 kg) unit of DECORFLEX-P adheres approximately 55 ft. (17 m) of tape.

Actual coverage may vary due to substrate conditions.

Limitations:

Before applying the first coat of AQUAFIN 2K/M or the AQUAFIN DECORFLEX system, inspect the areas sealed with the AQUAFIN CRACK SEALING TAPE. For aesthetics reasons, a light sanding or grinding of the 2K/M or DECORFLEX P 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 and the AQUAFIN DECORFLEX system, AQUAFIN does not warrant that cracks will not reappear, even when following established repair techniques.

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Shelf Life:

Eighteen months, 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 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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