

4x4-MESH Reinforcement Mesh

CSI Div. 07

07 16 0 Accessory For Acrylic Modified Cement Waterproofing

Product Description:

AQUAFIN's 4x4-MESH is a fiberglass mesh treated with an acrylic based specialty coating that provides alkali resistance and flame retardance. It reinforces the tear resistance of AQUAFIN-2K/M and similar waterproofing or insulation products.

Typical Applications:

Reinforcing of AQUAFIN flexible cementitious protective coating and waterproofing products over: Cracks, zones posed to cracking, construction joints, wall/floor or wall/wall joints and corners.

Installation:

4x4-MESH is supplied in rolls of 38" x 50 YD (0.965 m x 45.7 m). It can be cut in strips or any desired shape, to be used over individual cracks, or used in sheets to reinforce entire surfaces. It can also be folded into corners for added strength.

- Install 1st coat (layer) AQUAFIN-2K/M or similar.
- Immediately embed AQUAFIN-4x4-MESH into fresh (wet) layer, using a steel trowel.
- Work from center to the edges of the mesh.
- Smooth out any wrinkles in the mesh forcing it down.
- Cover with 2nd coat AQUAFIN-2K/M or similar, same or next day.

NOTE:

- Overlap mesh joints at least 2½-inches (65 mm).
- Double-wrap mesh over exposed corners for extra reinforcement.
- For vertical surfaces where full width is desired, work from top to bottom.
- Trim any excess exposed mesh.
- 4x4-MESH reduces the elongation of material it is being embedded into (i.e. "2K/M") up to 90%.
- Take into consideration increased material consumption of 2K/M (or similar) when embedding 4x4-MESH. Add minimum 10% to 20% additional material usage to ensure properly embedded 4x4-MESH.

Storage and Shelf Life:

Store in a dry enclosed area off the ground, on its roll or lying flat. Crumpled, wrinkled or creased mesh may be difficult to work with. Protect from direct sunlight. Shelf life in unopened, original packaging is 2 years.

Packaging:

Roll of: 38" x 150 FT = 475 ft² (0.965 m x 45.7 m = 44.1 m²).
 Weight: 15 lbs (6.8 kg) per roll.

Note:

Installer is responsible for proper product application. Site visits by Aquafin personnel or representatives are solely for the purpose of making technical recommendations, not for providing supervision or quality control.

Physical and Technical Data	
Material:	Acrylic based coated fiberglass mesh
Finish:	Alkali resistant; Flame retardant
Color - Weave:	White - Leno
VOC:	0% (0 g/l)
Setting Time	~2 to 4 hours at 68°F (20°C)
Construction: ASTM D-3775	Warp: 6.0/inch (23.7/10 cm) Weft: 5.9/inch (23.2/10 cm)
Mesh Size:	~0.16" x 0.16" (~4 x 4 mm)
Thickness: ASTM D-1777	0.017" or 17 mils (0.43 mm)
Basis Weight: ASTM D-3776	~4.6 oz/yd ² (~156 g/m ²)
Tensile Strength: ASTM D-5035 minimum	Warp: 200 psi (980 N/2.54 cm) Weft: 210 psi (940 N/2.54 cm)
All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature and humidity may affect these values.	

Safety:

Refer to SDS. Contains fiberglass. Use adequate ventilation. Safety goggles and protective gloves are recommended.

KEEP OUT OF REACH OF CHILDREN.

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.

For Professional Use Only.

Example of a typical installation (schematic)

