

Crack Isolation System

A System for Stucco Crack Mitigation and Restoration

CRACK ISOLATION SYSTEM is an effective method used to reduce the appearance of surface cracking in new and existing plaster systems. With stucco cracking continuing as one of the most common complaints from building owners, Omega's Crack Isolation System is a cost effective way to improve customer satisfaction and reduce call backs or repairs. It is also a great choice for repairing or refreshing an existing stucco building that has surface cracking.

The Omega Crack Isolation System incorporates a layer of polymer-modified base coat with embedded woven fiberglass mesh that is applied over the plaster system prior to the finish coat. This mesh helps to reinforce the plaster membrane, which reduces the appearance of cracks. The use of the Crack Isolation System can increase the overall system warranty period. Warranties of up to 15 years are available when used with additional Omega products.

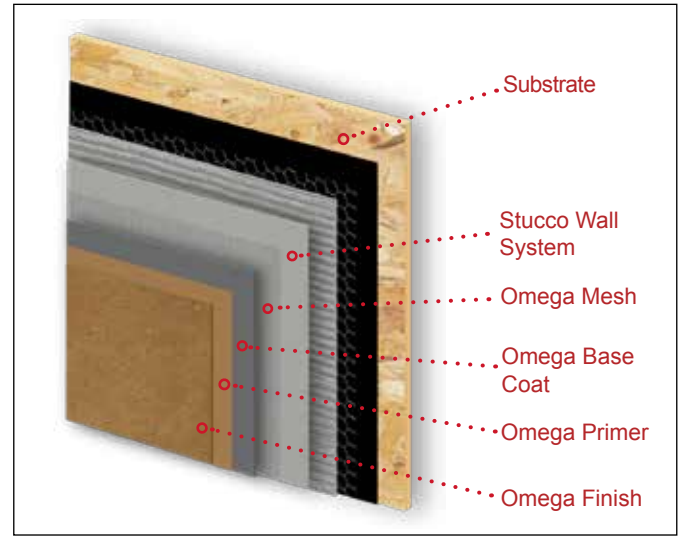
SYSTEM DESCRIPTION

The Crack Isolation System consists of a polymer-modified, cementitious base coat that is applied over the substrate a minimum of 1/16-inch thick. Woven fiberglass mesh is then fully embedded in the wet base coat and troweled smooth, ensuring that no mesh is visible. Lastly, an approved finish coat is applied over the dry base coat.

AREAS OF USE

The Crack Isolation System is an excellent choice for new or retrofit commercial, residential, or institutional projects. The system may be applied over the following properly prepared substrates:

- One Coat Stucco Systems
- Three Coat Stucco Systems
- Masonry
- Poured-in-place and/or tilt-up concrete
- Stucco Finishes (painted or unpainted)
- Acrylic Stucco Finishes (painted or unpainted)
- Interior Plaster/Drywall Finishes (painted or unpainted)



CRACK ISOLATION SYSTEM ADVANTAGES

FEATURES	BENEFITS
<i>Mesh Reinforced</i>	Reduces stucco surface cracking
<i>Polymer-modified Base Coats</i>	Bonds to various substrates and water-resistant
<i>System Warranty</i>	Up to 15 year warranty when used in combination with other Omega products
<i>Creates uniform, smooth surface</i>	Helps create a better finish application

Approved by: _____

Date: _____



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SYSTEM COMPONENTS

The following products are components in the Crack Isolation System. Please see the product's data sheet for additional information.

BASE COATS

- Crack Isolation Base (50 lb or 90 lb bag): Field mixed with water.
- DryBond (50 lb bag): Field mixed with water.
- StyroGlue (5 gal pail): Field mixed with cement.
- StyroGlue DryBond (50 lb bag): Field mixed with water.
- FoamTek (50 lb bag): Field mixed with water.

MESH

Omega Reinforcing Meshes are alkali resistant, woven glass fiber fabrics specially designed to be used with approved Omega base coats and are available as:

- Crack Isolation Mesh or AkroFlex Reinforcing Starter Mesh: 4.2 oz, 9.5 inch x 150-foot roll
- Crack Isolation Mesh or AkroFlex Reinforcing Standard Mesh: 4.2 oz, 38 inch x 150-foot roll
- Crack Isolation Mesh or AkroFlex Reinforcing Standard Mesh: 4.2 oz, 48 inch x 150-foot roll

FINISHES

- OmegaFlex Finishes: 100% acrylic-based finishes
- AkroFlex Finishes: 100% acrylic-based finishes
- AkroLastic Finishes: Elastomeric acrylic-based finishes
- ColorTek Stucco: Cement-based stucco finishes
- AkroCoat: 100% acrylic-based paint
- Elastomeric 44: Elastomeric acrylic-based coating
- Travertino: Cement-based limestone finish
- Valentino Finishes: Approved Valentino Finishes

APPLICATION

Below are the basic application instructions for the Crack Isolation System. See the appropriate Omega product data sheet for full mixing and application instructions.

1. The substrate must be clean and free of loose debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Painted or glossy surfaces may need to be roughened to ensure a proper bond of the base coat; see installation and design requirements for additional information. The substrate must be structurally sound. Cement-based substrates should be properly cured.
2. Apply the base coat over the brown coat a minimum of 1/16" (1.6mm) thick.
3. Completely embed mesh into the wet base coat and trowel smooth, ensuring that no mesh is visible. A minimum two-inch overlap is required at all mesh joints. After embedding mesh, the surface shall be left suitable for the application of an acrylic or a cementitious finish. When a cementitious finish is going to be used, it is recommended to float the base coat to create some texture for a mechanical key.

INSTALLATION & DESIGN REQUIREMENTS

- Omega Crack Isolation System is intended to help mitigate surface cracking caused by natural cement shrinkage and minor external forces. It is not intended to be used to prevent larger cracks caused by significant external forces or large reoccurring loads, such as structural movement. Using the Crack Isolation System will reduce visible cracking, but does not eliminate the chance for cracking.
- Moist cure new plaster systems as required per code and/or Omega Products specifications prior to applying Crack Isolation System. See the appropriate Omega product data sheet for curing instructions.
- Crack Isolation Base, FoamTek, DryBond or StyroGlue DryBond base coats are recommended for use over existing rough or porous surfaces.
- When applying Omega ColorTek or other cement-based finishes over polymer-modified base coats, the use of a bonding agent or acrylic admix is required to ensure proper bond. The recommended volume of admix to be used is one to two quarts of Omega AkroLoc or two to three quarts of Omega Admix 500 per 90-lb sack of ColorTek. Omega BondCrete or AkroLoc are recommended bonders. See the applicable Omega data sheet for additional information.
- DryBond, StyroGlue, or StyroGlue DryBond are required for use over painted surfaces.
- When applying the Crack Isolation System over painted surfaces, it is recommended to remove the paint when possible to allow the base coat to bond directly to the substrate. If the paint is not removed, a bond test should be done in multiple locations to assure that the base coat will properly adhere to the surface and the paint is adequately bonded to the substrate.
- Additional information is available by contacting Omega Products International.

DISCLAIMER

Omega Products International [Manufacturer] MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT(S) SOLD HEREIN. The recommendations, suggestions, statements and technical data are based on the best knowledge available to Manufacturer and are given for informational purposes ONLY and without any responsibility for their use. It is expressly understood and agreed, as a condition of the use of this product, that the buyer's sole and exclusive remedy for any claimed defective product against Manufacturer shall be the replacement of products actually proven to be defective. Handling and use of the products are beyond the control of Manufacturer; therefore, no warranty is made, expressed or implied, as to the results obtained from the use of the product or against any claims for infringement of patents resulting from use of the product. Under no circumstance shall Manufacturer be liable for incidental or consequential damages arising out of the use or the improper application of the product. Before applying the product, the user shall determine the suitability of the product for their independent use, assuming all risks and liability whatsoever in connection therewith. This writing constitutes a complete and exclusive statement of the understanding between Manufacturer and Buyer.

CLAIMS

Any Claimant shall notify Manufacturer immediately in writing of any alleged defect in the material. Claimant will provide Manufacturer with a reasonable and exclusive opportunity to investigate and test for the alleged defect. For any claim that is not valid Claimant agrees to pay Omega's reasonable charges, including travel and labor associated with investigation of such claim.

TECHNICAL ASSISTANCE

Technical assistance and information is available by calling Omega Products International at (951) 737-7447 or by email at info@omega-products.com.

WARRANTY

The following is made in lieu of all expressed and implied rights, warranties and conditions, statutory or otherwise. The manufacturer's only obligation shall be to replace such quantity of products proven to be defective within one year following the date of manufacture, provided that the alleged defective product is returned prepaid to the manufacturer's plant and is accompanied with proof of purchase and batch number.