



# Crack Isolation Base

A Polymer-modified, Cementitious Base Coat



## Coverage

Crack Isolation Base:  
Approximately 80ft<sup>2</sup> (7.4m<sup>2</sup>)  
per 50lb and 150ft<sup>2</sup> (13.9m<sup>2</sup>)  
per 90lb

Crack Isolation Base 20:  
Approximately 70ft<sup>2</sup> (6.5m<sup>2</sup>)  
per 50lb and 110ft<sup>2</sup> (10.2m<sup>2</sup>)  
per 90lb

*Coverage will vary depending  
on ambient temperature,  
surface temperature, surface  
porosity, and/or application  
methods.*

## Packaging

50lb (22.7kg) bags  
90lb (40.8kg) bags

## Storage

1. Store bags in a cool, dry location.
2. Store away from direct contact with the ground and/or concrete.
3. Store out of direct sunlight.
4. Protect bags from weather and other damage.

## Shelf Life

1 year

## Color

Natural grey

## Product Description

**C**rack Isolation Base is a dry blend, polymer-modified, portland cement-based material specifically formulated as a base coat for embedding mesh in the Omega Crack Isolation System. It is available in CI-Base 20 (Coarse).

## Features

*Dry Mix*

*Excellent Workability*

*Polymer-modified*

## Benefits

Easy to mix and store; minimal waste

Easy and quick to apply

Increased flexibility and bond strength

## Basic Uses

Crack Isolation Base is a base coat for embedding mesh in the Omega Crack Isolation System. It may be used as a leveling or patching material over approved substrates.

NOTE: Not for use with EIF Systems.

## Area of Use

Crack Isolation Base may be applied over the following substrates:

1. One coat stucco
2. Brown coat
3. Masonry
4. Poured-in-place and/or tilt-up concrete

## Optional Product Upgrades/Enhancements

PRODUCT	BENEFIT
OmegaCure	Liquid accelerator to improve hydration, increase early strength/hardness, and allow cold weather application

## Surface Preparation

All surfaces to receive application must be properly cured, clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, and cleaning solutions. Ensure that all surfaces are smooth and free of any irregularities. Repair all cracks with the appropriate patching material for the existing substrate. It may be necessary just prior to application to dampen all surfaces that are to receive the Crack Isolation Base with clean, potable water.

## Mixing

1. Add approximately 3qt (2.8L) of clean, potable water, per 50lbs of Crack Isolation Base to an empty, 5 gallon pail.
2. Add Crack Isolation Base to the water while mixing.
3. Mix for a minimum of 3 minutes.
4. Stop mixing and allow the material to set for 5 minutes.
5. Material may be retempered once adding only enough water to reach the desired consistency.

NOTE: Crack Isolation Base may be mixed with a paddle type or plaster mixer following the above instructions.

## Application

### For Use in the Crack Isolation System

1. Apply the Crack Isolation Base to the substrate a minimum of 1/16" (1.6mm) thick.
2. Completely embed Crack Isolation Mesh or AkroFlex Mesh into this coat. Overlap mesh minimum of 2 inches.
3. Trowel or float smooth, ensuring that no mesh is visible.

### For Use as a Skim or Patching Coat

1. Apply the material to the properly prepared approved substrate. Do not exceed 1/4" thickness in one pass. A second coat can be applied after the first coat has reached its initial cure.
2. Application method will vary due to job conditions.

NOTE: When applying Omega ColorTek or other cement-based finishes over Crack Isolation Base, 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 ColorTex. Omega BondCrete or AkroLoc are recommended bonders. See the applicable Omega data sheet for additional information.

## Curing

Curing and/or drying time may vary due to climatic conditions. Drying should occur within 24 hours at an ambient and surface temperature of 70°F (21°C) and 55% R.H. When hot, dry, or windy conditions exist, protection should be provided. All freshly applied material must be protected from inclement weather until fully dry. Full adhesion strength should take one to four days. Full curing strength typically occurs in approximately 28 days.

## Limitations

**DO NOT** apply product when the ambient and surface temperature is below 40°F (4°C).\* When hot, dry, or windy conditions exist, protection must be provided. The ambient and surface temperature must maintain the above requirements until fully cured (See CURING). Material that is allowed to freeze may suffer irreparable damage. Protect all work from inclement weather with an approved protective system until fully cured.

**DO NOT** add any other materials to the mixture of the product without written approval from Omega Products International.

**DO NOT** deviate in the mixing or application procedures contained in this, or any other Product Data Sheets, without written approval from Omega Products International.

**DO NOT** apply Crack Isolation Base if there are contaminants on the receiving surface. Contaminates may include, but are not limited to, dust, debris, efflorescence, and/or oils.


**DO NOT** add any more water than prescribed.

**DO NOT** saturate the wall during preparation.

**DO NOT** leave Crack Isolation Base unfinished.

**DO NOT** use Crack Isolation Base as a base coat or an adhesive in EIFS applications.

NOTE: Failure to follow manufacturer's written specifications could result in the following, but not limited to spalling, cracking, peeling, chipping, delamination, discoloration, wash off, and overall system failure.

 To ensure proper hydration in cold weather applications (approximately 50°F to 32°F) use OmegaCure admix. Refer to OmegaCure data sheet for additional information.

## Cleaning

Cleaning may be accomplished with water immediately after use.

## Safety

Avoid contact with eyes or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush immediately with running water for at least 15 minutes. Consult a physician immediately. Do not take internally. Be sure to provide adequate ventilation in enclosed areas. Use of an approved respirator is recommended.

**KEEP OUT OF REACH OF CHILDREN**

### Disclaimer

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for his/her 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 (800) 600-6634 or FAX (951) 520-2594 or by e-mail at [info@omega-products.com](mailto: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.