



StyroGlue Base

An Acrylic-based Adhesive and Base Coat



Coverage

Approximately 180ft² to 200ft² (16.7m² to 18.6m²) as a base coat, and 160ft² to 190ft² (14.9m² to 17.7m²) as an adhesive.

Coverage may vary due to ambient temperature, surface temperature, surface porosity, mixing methods, and/or application methods.

Packaging

55lb (24.9kg), 5 gallon (18.9L) pail

Storage

1. Store pails in a cool, dry location.
2. Store at a temperature between 40°F (4°C) and 90°F (32°C).
3. Store out of direct sunlight.
4. Protect pails from weather and other damage

Shelf Life

2 year

Color

Natural off-white

Product Description

StyroGlue Base is a 100% polymer-based base coat and adhesive, which is field mixed in a 1:1 ratio, by weight, with portland cement meeting ASTM C150. StyroGlue may be used as an adhesive and base coat for AkroFlex EIF Systems and EPS foam shapes. Additionally, it may be used as a skim coat over approved substrates.

Features

Liquid Polymer

Excellent Workability

Vapor Permeable

VOC Compliant

Benefits

Superior bond strength and flexibility

Easy and quick to apply

Allows wall assembly to breath

Less than 1 g/L

Basic Uses

StyroGlue is designed for use as an adhesive or base coat for the AkroFlex EIF Systems or AkroGold DEF Systems. StyroGlue may be used as an adhesive, as a base coat in the Omega Crack Isolation System, and base coat for EPS foam shapes and as a skim coat over approved substrates in residential and commercial wall assemblies. Refer to Intertek CCRR-0466 for additional system information.

Area of Use

As an adhesive to attach EPS foam to:

1. Paper-faced gypsum sheathing
2. Fiberglass mat-faced gypsum sheathing
3. Cement backer board
4. Masonry
5. Poured-in-place and/or tilt-up concrete
6. Expanded Polystyrene (EPS) foam
7. Other approved cementitious substrates

As a base coat over:

1. EPS foam board
2. Fiberglass mat-faced gypsum sheathing
3. EPS foam shapes

As a skim coat over:

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

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 structurally sound, 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 cracks with the appropriate patching material for the existing substrate as needed. Painted or glossy surfaces must be roughened to ensure a proper bond.

Mixing

1. Equally split one pail of StyroGlue Base into two, clean, 5 gallon pails.
2. Add 50%, by weight, of portland cement.
3. Mix thoroughly for approximately 3 to 5 minutes using a paddle mixer.
4. Stop mixing and allow the material to take its initial set, approximately 5 to 10 minutes.
5. Retemper the material adding a maximum of 8oz of clean, potable water to reach the desired consistency.

Application

See Intertek CCRR-0466 for additional application instructions and requirements.

For Use as an Adhesive in an AkroFlex EIF System

1. Apply the StyroGlue Base to the back of the EPS Insulation Board with an approved notched trowel with an approved notched trowel: 3/8 x 3/8 x 1-1/2 for AkroFlex Omega Water Managed Plus System or 3/8 x 1/2 x 1-1/2 Omega AkroFlex Barrier System.
2. Apply the StyroGlue Base coated side of the insulation board to the substrate.
3. Ensure that the entire piece of insulation board has been firmly attached to the substrate.
4. Allow the StyroGlue Base to set for a minimum of 24 hours prior to working on the insulation board.

For Use as a Base Coat in an AkroFlex EIF System

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

For Use as a Skim Coat¹

1. Apply the material to the area needing to be leveled.
2. Application method will vary due to job conditions.

For Use with EPS Foam Shapes¹

1. Apply the StyroGlue Base to the back of the foam shape with an approved notched trowel with an approved notched trowel.
2. Firmly apply the StyroGlue Base coated side of the foam shape to the substrate.
3. Apply the base coat to the foam shape a minimum of 1/16" (1.6mm) thick.
4. Completely embed Omega Reinforcing Mesh into this coat.
5. Trowel smooth, ensuring that no mesh is visible.

¹ When applying Omega ColorTek or other cement-based finishes over StyroGlue, 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).* The ambient and surface temperature must maintain the above requirements until fully dry (See CURING). Material that is allowed to freeze before fully drying may suffer irreparable damage.

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 StyroGlue 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 use a paddle mixer that exceeds 500 RPM.

DO NOT leave StyroGlue Base unfinished.

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

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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 FAX (951) 520-2594 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.