

# STYROCOAT

# 1D

## A CEMENT-BASED, POLYMER-MODIFIED BASECOAT AND ADHESIVE USED PRIOR TO THE APPLICATION OF SYNTHETIC STUCCO FINISHES

**STYROCOAT** is a cement-based, polymer-modified, basecoat for Umaco Finish Coat and other synthetic stucco finishes. Applied by trowel, Styrocoat embeds fiberglass reinforced mesh fabric over expanded polystyrene insulation board (EPS board) and cement board. Styrocoat may also be used to adhere EPS board to properly prepared masonry, concrete and exterior grade plywood.

### USES and ADVANTAGES

- A waterproof basecoat for Umaco Finish-Coat and other synthetic stucco finishes.
- Embeds fiberglass reinforced mesh fabric over expanded polystyrene board (EPS board) and cement board.
- Provides a waterproof, crack resistant coating.
- Easy to use, just add water.
- May also be used to adhere EPS board to concrete, masonry and exterior grade plywood.

### SURFACE PREPARATION

#### For Adhesive Applications

Substrates to which EPS boards will be adhered must be dry, sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.** Masonry and concrete substrates must be flat within 1/4" in ten feet. Dampen concrete walls when the board is placed. Do not allow the wall to dry out. Styrocoat may be used to adhere EPS board to concrete, masonry and exterior grade plywood, however if there is any doubt that a

good bond can be achieved, mechanical fasteners must be used to attach EPS boards.

#### For Basecoat Applications

##### Over EPS Board:

EPS board must be properly adhered/ attached to the substrate. See "Adhering EPS Board" below under APPLICATION. If fasteners are required, follow manufacturer's instructions regarding proper installation. Recess heads of fasteners 1/8" then cover with Styrocoat.

##### Over Cement Board:

Cement board must be properly attached. Follow cement board manufacturer's instructions regarding proper installation. Recess heads of fasteners 1/8" then cover with Styrocoat. Cement board must be primed with Bond All Exterior prior to applying Styrocoat as a basecoat.

### MIXING

Each 50 lb bag of Styrocoat should be mixed with 1-1/2 gallons of clean water. Add the powder to the water while mixing. The use of a high torque, low speed drill (400-600 RPM) with a paddle attachment or a mortar type mixer with rotating, rubber edged blades is recommended. Mix to a smooth, trowelable consistency and allow the mix to stand for 5 minutes. Remix material, adding small amounts of water or Styrocoat to achieve the desired working consistency. Do not use any additives. Do not mix more material than can be applied in one hour.

### APPLICATION

#### Adhering EPS Board

Scratch both sides of EPS board with rasp, wire brush or saw blade. Apply Styrocoat to the back of EPS board in mounds of at least 1/4" thick and 2" in

diameter, making sure that the material covers a minimum of 50% of the board. An alternative method is to cover the entire back side of the board using a 3/8" notched trowel.

After Styrocoat has been applied to back side, place EPS board on wall and push firmly. Using a block of wood, apply equal and even pressure to allow maximum bond to be achieved. Apply EPS boards horizontally across entire wall in a running bond, staggering vertical joints, corners and sheathings. All gaps greater than 1/8" between EPS boards must be filled with slivers of EPS board. Rasp the entire wall to a flat surface within 1/4" in ten feet. Rout or groove all aesthetic joints and EPS board details after rasping. After adhering EPS board to the wall, wait 24 hours before applying basecoat over the face of EPS boards.

#### Applying Styrocoat as a Basecoat

When applying Styrocoat over EPS board or cement board as a basecoat, fiberglass reinforced mesh fabric must also be used to cover the entire area. Cut the mesh fabric into pieces that are manageable. For lightweight to medium weight fabrics, allow for a 2" overlap. Heavy mesh fabrics do not need to be overlapped, however care must be taken to butt the edges firmly together. Apply a minimum of a 1/16" coat of Styrocoat to the EPS or cement board then trowel in the fabric mesh using a stainless steel trowel. An alternative method would be to sandwich the mesh between two 1/32" coats of Styrocoat. Avoid trowel marks and ridges. Be certain that no wrinkles or mesh fabric are visible through the Styrocoat. If mesh pattern is visible, skim the area with a light coat of Styrocoat. Wait a minimum of 24 hours before applying Umaco Finish-Coat.



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## **COVERAGE**

Approximate coverage per 50 lb. bag of Styrocoat:

### **As an Adhesive**

50-70 square feet

### **As a Basecoat for Embedding Mesh**

100-120 square feet

## **CLEANUP**

Clean tools immediately after use with warm, soapy water.

## **LIMITATIONS**

- Apply only when ambient and surface temperatures are above 50 degrees F and will remain so for at least 24 hours after application.
- Do not apply if rain, snow or any other precipitation is expected within 24 hours.
- Do not apply over any surface which is frozen or contains frost.
- Do not apply over 1/4" thick.
- Before using this product, make sure you obtain, read and fully understand the Material Safety Data Sheet (MSDS).

## **WARNING!**

Do not take internally. Contains Portland cement and Silica sand. May be irritating to the eyes and nose. Prolonged inhalation may cause lung injury. Avoid eye contact or prolonged contact with skin. Wash hands thoroughly with water after handling. In case of eye contact, flush with plenty of water for at least fifteen minutes. If irritation persists, consult a physician immediately. Dust masks, eye protection and gloves are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

**KEEP OUT OF THE REACH OF CHILDREN!**

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

For technical assistance call  
978-453-8881

[www.umaco.com](http://www.umaco.com)

### **LIMITED WARRANTY**

*The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.*  
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- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
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