

# EcoBeams Product Specifications

## **Product Description**

EcoBeams are a finished product fabricated in a factory-controlled environment. The timbers are handcrafted & not made from molds that produce a replicating look. Being the product is made from natural minerals, the color and texture can vary. This variation adds a natural appearance to the product. Samples should not be used to represent an exact match for the material supplied on a given project. Changes in shape and contour of parts, use of natural and/or synthetic pigments and materials may create variations over larger and/or more detailed surfaces. Note: Like real wood, variations may occur within a single part and over a run of several parts.

## **Materials**

EcoBeams are comprised of the following components:

- A. Modified EPS (Expanded Polystyrene) U.L. Class A, ASTM E84 foam product, with fire rated Class 1 (flame spread less than 25, smoke development less than 450) comprised of a minimum 30% recycled content.
- B. Reinforcing Fiberglass Mesh: Shall be a balanced, open weave, glass fiber fabric treated for compatibility with other system materials.
- C. EcoBeams Finish: Modified two part gypsum finish coating with color and texture as selected by owner/architect.

## **Delivery, Storage and Handling**

All EcoBeams shall be delivered to job site in the original, unopened packages or factory provided packaging. Do not store product in concealed packaging material in direct sunlight or in temperatures exceeding 140 degrees F. Product core damage may occur and voids warranty. Freight claims: All merchandise should be thoroughly inspected by the contractor/customer upon receipt. If any shipping damage is found, it is the customer's responsibility to note on Bill of Lading & to file a claim with the carrier. (See Shipping Directive)

When handling beams, it is recommended two or more people are spaced equal distance from ends and each other so as to avoid bowing and/or check cracking in the finish material. With thin dimensioned beams that are long and narrow, never handle with one person in the middle of the beam.

## **Warranty**

The PCF Group shall provide a written one (1) year limited materials warranty against defective material upon request. The PCF Group shall have no liability or responsibility for workmanship associated with installation or application of materials. The PCF Group shall make no other warranties, expressed or implied.

## **Installation**

EcoBeams shall be installed in accordance to the manufacturers recommended adhesive & instructions. (See installation tips)

### **Design Responsibility**

It is the responsibility of both the specifier and the purchaser to determine if a product is suitable for their intended use. The designer/architect selected by the purchaser shall be responsible for all decisions pertaining to design, detail, structural capability, attachment details, shop drawings and the like. The PCF Group has prepared guidelines in the form of specifications, application details, and product sheets to facilitate the design process only. The PCF Group is not liable for any errors or omissions in design, detail, structural capability, shop drawings, or the like, whether based upon the information prepared by The PCF Group or otherwise. The PCF Group is also not liable for any changes which purchasers, specifiers, designers, or their appointed representatives may make to PCF's published comments.

### **Maintenance & Cleaning**

EcoBeams products are designed to be virtually maintenance free. However, as with all building products, depending on location, some cleaning may be required. Should one perform cleaning tasks, it is recommended with the use of a feather duster. If a more thorough cleaning is required, wipe the timbers down with a damp cloth. Wipe the beam lengthwise with the grain.

Should the beam become damaged due to abuse, patch the affected area(s) with Minwax wood filler or the equivalent. Use the appropriate Minwax oil based stain and touch up patched area. Let dry for 24 hrs and place a UV clear sealer (flat) over the touched up area. If damage is beyond repair, contact Fabricator for replacement beam.

### **Testing Information**

- \* EcoBeams Passed Room Corner Fire Test - UL 1715 & UBC 26-3 (see website for complete report)
- \* Modified EPS foam core (fire retardant additive & 30% minimum recycled content) ASTM E84 - Flame Spread less than 25 and Smoke Development less than 45. - These numerical flame spread and smoke development ratings do not necessarily reflect the performance of this or any other material under actual fire conditions.