

## Product Description

Glasliner AM Antimicrobial Panels, manufactured by Glasteel a Division of Stabilit America, Inc. are available in a textured or smooth surface, providing ultimate durability, satisfying the most demanding applications. Glasliner AM contains an infused antimicrobial component specially formulated for the protection of plastics susceptible to the contamination of bacteria, fungi and microorganisms. Glasliner AM Antimicrobial panels will not mold, mildew, rot or corrode. Glasliner AM panels are engineered to protect from a broad spectrum of microbiological activity, it provides clean air and surfaces, free of stains or odors caused by surface contaminations. Glasliner AM Antimicrobial panels provide the same durability, easy maintenance, ease of clean and abrasion resistance as Glasliner FRP Panels.

## Purpose

Glasliner AM Antimicrobial panels are designed for indoors wall finishes that require a class C fire rating product and areas that require an environment free of bacteria, fungi and other microorganisms, for instance: Commercial, Industrial, Health Care, Education, Food processing Industry, etc. Glasliner AM Antimicrobial panels can be used in hospital rooms and corridors, surgery rooms, laboratories, schools, kinder gardens and food processing areas.

## Physical Properties - Typical Values

0.090" (inches) Nominal Thickness / 1200 Series		
PROPERTY	TYPICAL VALUE	TEST METHOD
Flexural Strength	17,000 PSI	ASTM D790
Flexural Modulus	6.0 x 10 <sup>5</sup> PSI	ASTM D790
Tensile Strength	8,000 PSI	ASTM D638
Tensile Modulus	9.43 x 10 <sup>5</sup> PSI	ASTM D638
% Elongation	1.20%	ASTM D638
Izod Impact	7.0 ft-lb/in	ASTM D256
COLTE	2.22 x 10 <sup>-5</sup> in/in/°F	ASTM D696
Barcol Hardness	30	ASTM D2583
Abrasion Resistance	0.293 % Wt. Loss	Taber Test
Water Absorption	0.17% - 72 hr @ 77 °F	ASTM D570
Specific Gravity	1.6138	ASTM D792
Biological Resistance	0 - Excellent	ISO 846
Flame Spread	≤ 200	ASTM E84
Smoke Development Index	< 450	ASTM E84

## Selections

NOMINAL THICKNESS	SERIES	FINISH	COLOR	SIZES
0.125" (inches)	1600	Embossed	Bright White Almond Ivory Beige Light Gray Silver Black	4 ft x 8 ft 4 ft x 9 ft 4 ft x 10 ft 4 ft x 11 ft 4 ft x 12 ft
0.090" (inches)	1200			
0.060" (inches)	180			
0.045" (inches)	160			
0.035" (inches)	150			

**\*Custom Capabilities: other sizes and colors are available, minimum order requirements and other terms apply**

## Standard Specifications

Glasliner AM panels conform to the specification set on ASTM D5319:

- Flammability Classification: Class C - Flame spread index 76 to 200, smoke development index of 450 or less.
- Thickness classification: Grade 6 - 0.081 to 0.099 in. (2.06 to 2.51 mm); 0.090 in. nominal (2.29 mm) (data valid only for 1200 series panels).
- Size (Length and Width): Specified length and width  $\pm 1/8$  in.
- Squareness:  $\pm 1/8$  in.
- Thickness: Specified thickness  $\pm 10$  %.

**Color:** Panel color shall be per specification. Within 1 dE of the specified color using the CIE Lab scale.

Panels shall have a pebble texture front side. Panel backside is smooth and may possess slight imperfections that do not adversely affect performance or physical properties and are not cause for rejection.

Panels shall be installed in strict accordance with Glasliner FRP panel Installation Instructions (D-SA-01).

## Approvals and Certifications

- Manufactured on an ISO 9001 Certified plant (TÜV Rheinland of North America, Inc.; Certificate Registration No. 74 300 3629).
- Certified Product under Greenguard and Greenguard Gold criteria (Certificates Number: 23966-410 and 23966-420).

- Meets minimum requirements of major model building codes for Class C interior wall and ceiling finishes of flame spread  $\leq 200$ , smoke developed index 450 or less (per ASTM E84).
- Meets ISO 22196 Measurement of antibacterial activity on plastics and other non-porous surfaces.
- Meets ASTM E1428 Standard Test Method for Evaluating the Performance of Antimicrobials in or on Polymeric Solids Against Staining by *Streptovorticillium reticulum* (A Pink Stain Organism)
- Mold & Mildew Resistant per ASTM D3273 and D3274 tests.

### Storage Recommendations

- Store panels indoors in a cool, dry, well-ventilated area.
- Panels should be stacked on skids not more than 5 skids high.
- Do not allow moisture to collect on or in-between panels.

### Installation Overview

**Safety:** Use eye protection. Wear filter mask to cover nose and mouth, especially when cutting panels.

**Tools Required:** Power saw (carbide tip), saber saw (metal cutting blade), caulking gun, tape measurer, drill, file, hammer, level, saw horses and supports.

**Preparation:** It is important to store Glasliner AM panels flat, on a clean, dry surface for 24 hours before installation. It is preferable to store them inside the actual area of installation or, at least, under similar climate conditions. Walls must be clean and free of all substances. Level any high or low spots on walls. Concrete block walls may require a leveling coat of plaster or other similar material.

**Inspection:** Carefully inspect all panels prior to installation. If any portion of material does not provide an acceptable appearance, Stabilit America, Inc should be notified immediately. Upon verification of unacceptability, that portion of material will be replaced by Stabilit America, Inc. Stabilit America, Inc's responsibility is for the replacement of defective materials but not for labor or other handling or installation expenses.

**Limitations:** Glasliner AM panels properties are built-in to inhibit the growth of bacteria, fungi, mold and other microorganisms that may affect this product. The antimicrobial properties do not protect user or others against bacteria, viruses, germs or other disease organisms. Always clean and wash this product thoroughly before and after each activity around Glasliner AM. Glasliner AM panels shall maintain its performance characteristics and physical properties in temperatures ranging from -40°F to 130°F. Glasliner FRP panels may discolor near heat sources such as: ovens, fryers, heat lamps and toasters, where temperatures exceed 130°F.



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