



UNA-CLAD™ SERIES 5000 Glazed In Wall Panel System

DESCRIPTION:

The UNA-CLAD Series 5000 panels are window frame in-fill panels typically used as a glazing replacement in curtain walls, windows, storefronts, spandrel, or wall facing applications. They are glaze in or insulated with a variety of facing materials to either match or accent the building facade. Series 5000 panels are offered in three basic customizable configurations; designated as Type A, Type B and Type C products.

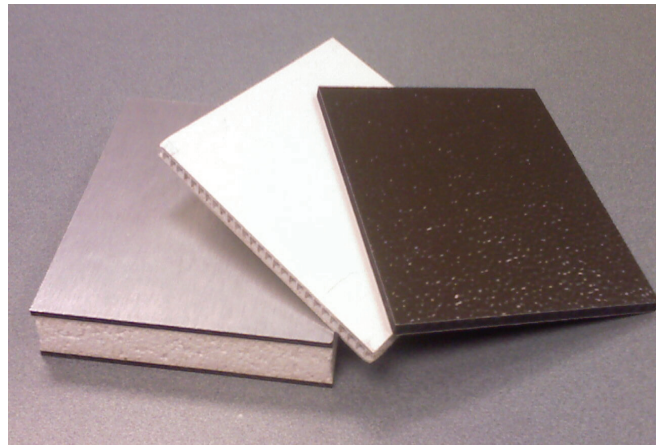
The Series 5000 panels serve to reduce heat loss and gain associated with glass products, provide a more durable product to fill in window openings that are more prone to breakage, and also limit visibility into buildings such as schools and apartments.

These panels commonly consist of 5 layers: exterior skin, exterior stabilizer, core, interior stabilizer and interior skin. The Series 5000 are configurable, allowing for each panel to be customized to meet the specific requirements of each project. A variety of options are available including skin thickness, stabilizer material, core material, panel thickness, standard or custom colors, Kynar or anodized finish.

METHOD OF APPLICATION:

Panels shall be installed using standard accepted commercial trade practices which include:

1. Flexible setting blocks at the quarter points of each panel and in a width equal to the panel thickness.
2. Panels to be sealed with Class A grade sealants.
3. Butt Glazing is not recommended.
4. Weep holes, for proper draining of the frames are required on all installations.
5. A minimum of ¼" of clearance must be maintained around the entire perimeter of the panel.
6. The entire panel perimeter should be engaged into the framing system a minimum of ½". (5/8" if panel size has 32 sq. ft. or more)
7. DO NOT use mechanical fasteners through the panel face as such fasteners interfere with thermal expansion and contraction of the panel skin which may cause "Blistering".
8. Panels shall be erected in accordance with approved shop drawings.
9. Installing contractor shall furnish all materials required for setting.
10. Where aluminum materials come in contact with dissimilar materials, an isolation shim or tape shall be installed at fastening locations.



STORAGE:

1. Store in a well ventilated, dry place where no moisture can contact the panels. Moisture (from rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can impact the service life of the material and detract from its appearance.
2. If outdoor storage cannot be avoided, protect the panels with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood, or keep panels crated. Protective film may degrade or become brittle with exposure to direct sunlight.

PRECAUTIONS:

1. Oil canning is not a cause for rejection.
2. Exercise caution when lifting, moving, transporting, storing or handling Firestone metal to avoid possible physical damage.
3. Immediately remove protective film after installation.

PRODUCT DATA

Panel Type: Spandrel, infill, insulated glaze in, glazing, 5 ply panel. FSMP's offering is divided in to three separate types of products: Type A, B, C.

See Page 2 for Specific Details on each panel type

PANEL SIZE

Max Panel Width: 48" (1219.2 mm)

Min. Panel Width: 4" (101.6 mm)

Max Panel Length: 144" (3,657.6 mm)

Min. Panel Length: 4" (101.6 mm)

TECHNICAL INFORMATION SHEET

2009
06/16/09



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PRODUCT DATA

	TYPE A PANEL	TYPE B PANEL	TYPE C PANEL
Material Options	Skins are standard .013" aluminum. Stabilizer is solid poly metal. Standard foam core is standard 2# density Expanded Polystyrene (EPS). Optional Polyisocyanurate (ISO) core available.	Skins are standard .032" aluminum. Stabilizer is 1/8" hardboard. Standard foam core is standard 2# density Expanded Polystyrene (EPS). Optional Polyisocyanurate (ISO) core available.	Skins available in .032, .040, .050, .063, .080, .090 and .125 aluminum. Stabilizer materials available are hardboard, gypsum, cement board and fluted poly. Standard foam core is standard 2# density Expanded Polystyrene (EPS). Optional Polyisocyanurate (ISO) core available.
Color	Available in 4 colors; silver/gray, polar white, Universal Bronze, Extra Dark Bronze. Exterior and interior skins can be different colors for the 1" panels.	Available in 31 standard Kynar colors.	Available in 31 standard Kynar colors or custom colors.
Finish	Standard silicon poly finish. Backer board available for interior skin.	Smooth Kynar painted aluminum or clear anodized aluminum. Backer board available for interior skin.	Smooth Kynar painted aluminum or anodized aluminum.
Optional Finish	Stucco Embossed	Stucco Embossed	Stucco Embossed
Panel Thickness	1/4" non-insulated (PE core). 1" insulated core.	1/4" non-insulated (PE core). 7/8", 1", 2" or 3" insulated core.	1/4" non-insulated (PE core). 7/8", 1", 2", 3" or custom thickness insulated core.
Dimensions	Sheets available in 4x8 & 4x10 or panels can be pre-cut to specific dimensions.	Sheets available in 4x8, 4x10, 4x12 or panels can be pre-cut to specific dimensions.	Sheets available in 4x8, 4x10, 4x12 (cement board not available in 4x12 sheet) or panels can be pre-cut to specific dimensions.
Edge Conditions	Open Ends (Optional Poly Edge available)	Open Ends (Optional Poly Edge available)	Open Ends (Optional Poly Edge available)

TECHNICAL INFORMATION

- Manufacturers standard two year warranty against delamination
- Manufacturers standard 20 year Kynar finish warranty
- Manufacturers standard two year siliconized polyester finish warranty

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