

Product Data Sheet

PRODUCT NAME:
 Panel 15[®]
 Prefinished Architectural Panels

DISTRIBUTOR:
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PANEL & SYSTEM DESCRIPTION

OVERVIEW:
 Panel 15[®] is a composite panel for exterior use made by laminating a textured aluminum skin to a substrate of exterior grade douglas fir plywood. A fiberglass reinforced kraft/foil scrim backer is added for panel balance and acts as a moisture barrier.

Panels are furnished with a strippable film (or interleaved microfoam) on the painted surfaces to protect the finish during shipment and installation.

The panel is mechanically fastened to the substrate (or wood/metal studs) and the system is completed using trim moldings (one and two piece aluminum extruded moldings) with various profile options.

BASIC USES & APPLICATIONS:
 As an alternative or complement to other building materials such as stucco or brick, Panel 15[®] is designed for applications such as claddings, soffits, fascias, canopies, and accent bands.

Ideal for new or retrofit construction, Panel 15[®] is typically used on low and medium rise buildings such as schools, banks, office parks, medical facilities, etc... However, with a durable plywood core and textured skin, Panel 15[®] is also ideal for many other applications where durability, strength, and overall cost are primary concerns.

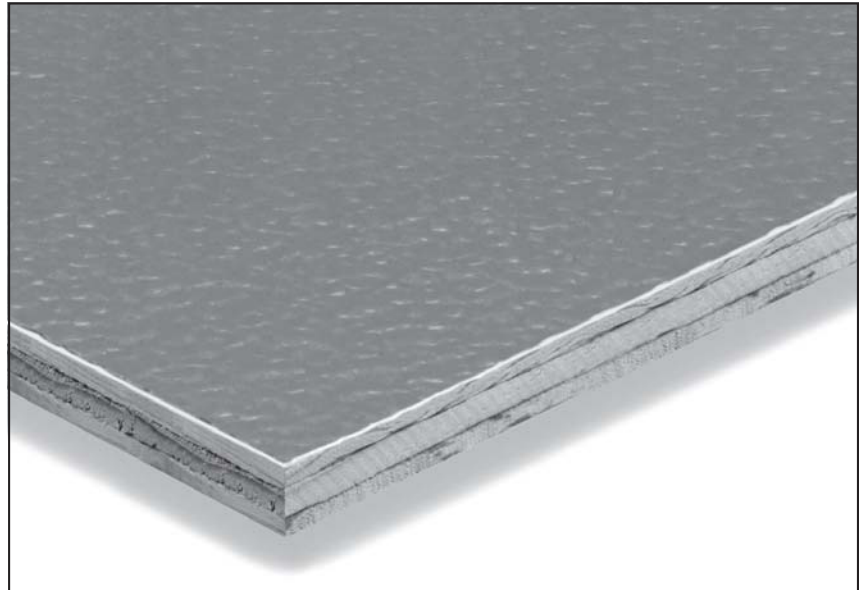


TABLE 1. COMPOSITION & MATERIALS¹:

Component	Standard (in)	Metric (mm)
• Prefinished Textured Aluminum Face	.010"	.254mm
• Exterior Grade Douglas Fir Plywood Core	5/16"	7.94mm
• Fiberglass Reinforced Kraft/Foil Scrim Backer	.008"	.203mm
(or) Primed Textured Aluminum Backer	.010"	.254mm

¹ Technical Properties (see back) are based upon the Typical Composition. Selecting optional components may alter these properties.

FEATURES & BENEFITS:

As a complete exterior cladding system, Panel 15[®] offers a number of benefits to the building owner, architect, and installer including:

- **Proven Performance**
 Formerly a division of the Weyerhaeuser Company, Citadel has been manufacturing panels for over 35 years. Over that time, Panel 15[®] has established itself as an industry benchmark for quality and performance.
- **Easy Installation**
 Simple sheets/trim concept easy to understand. Standard carpentry knowledge and tooling is all that is required for installation.
- **Low Maintenance**
 Most foreign matter can be cleaned from surface with mild detergents; can be incorporated into yearly building washing schedule.
- **Color Matched Moldings**
 Several different profiles (including reveal and batten) and attachment options (exposed and concealed fasteners) are available to complete the system look.
- **15-Year Warranty**
 Backed by a 15-Year Standard Warranty, Panel 15[®] is built to last. The textured aluminum face resists and hides scratches and dents while the plywood core provides protection and impact resistance.
- **Economical**
 With material and installation savings, Panel 15[®] provides an attractive alternative/complement to other building materials.

GENERAL LIMITATIONS:

Panel 15 ° is intended for use as a wall panel. It may be used in other applications where the slope does not exceed 25° from vertical (i.e. mansard roofs). Other limitations to the installation of Panel 15 ° depend upon the attachment system chosen and specific conditions of each individual application.

SYSTEM FINISHES:

Panel 15 ° comes standard with a textured aluminum skin. Smooth aluminum skins are not offered due to the nature of the plywood core and the probability of grain read-through.

Standard colors are furnished with a coil coated polyester. Panels can be ordered in premium colors with an acrylic urethane coating. Custom colors are also available to match customer’s standard.

Moldings are coated using a polyester or acrylic urethane paint system and can be painted to match any standard or custom color.

INSTALLATION OVERVIEW

EXPOSED FASTENERS:

When exposed, color-matched fasteners are acceptable, the one piece extruded aluminum moldings may be used. Installation using these moldings is progressive.

CONCEALED FASTENERS:

When concealed fasteners and/or a non-progressive installation is desired, the two piece moldings may be used. These profiles consist of a plastic receiver and an extruded aluminum cover placed over the fasteners after the panel is installed and sealed. Use of the two piece moldings requires that construction adhesive be used (in place of mechanical fasteners) at panel intermediates.

TABLE 2. PANEL WEIGHT & THICKNESS :

Component	Standard	Metric
Panel Weight ¹	1.02 lbs/ft ²	4.98 kg/m ²
Nominal Thickness	5/16"	7mm

¹ Panel weight based upon an .010" textured face skin and an .008" foil back.

TABLE 3. PANEL PERFORMANCE :

Property	Test	Value	Unit
Flame Spread	ASTM E84	Class A	---
R-Value	---	1.16	°F ft ² /BTU
Stiffness (E)	ASTM D1037	33,000	psi
Durability	ASTM D1037	Passed	---
Racking Design	ASTM E72	188	lbs/lineal ft

MATERIAL TOLERANCES:

Thickness: ±1/32" (±0.79mm)
 Length Dim: +0, -1/8" (+0, -3.18mm)
 Width Dim: +0, -1/8" (+0, -3.18mm)
 Squareness: 1/64" (0.4mm) per lineal foot

SIZES AVAILABLE:

48" x 96" (1219mm x 2438mm)
 48" x 120" (1219mm x 3048mm)
 48" x 144" (1219mm x 3658mm)
 60" x 96" (1524mm x 2438mm)
 60" x 120" (1524mm x 3048mm)

Panel 15 ° is supplied with clean, machine trimmed edges.

Cut-to-size panels are also available in virtually any size up to 60" x 120".

PANEL FINISH SYSTEMS:

Standard Textured: Coil Coated Polyester
 Custom Textured: Spray Applied Acrylic Urethane

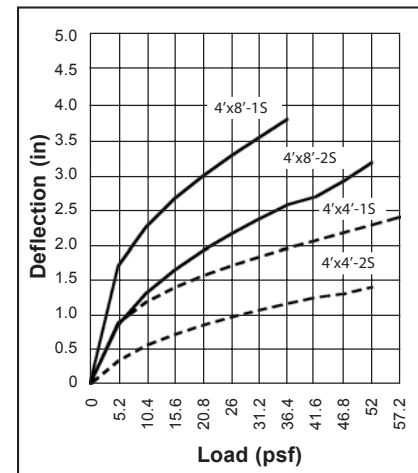
STANDARD WARRANTY:

Panel Warranty: 15 Years
 Polyester/Acrylic: 5 Years
 Finish: No change greater than 6 for chalk, 8 E units for fade

CODE CERTIFICATION:

HUD Material Release Bulletin MR41 1g

LOAD DEFLECTION¹:



Panel 15 ° is standard as one-sided material (1S). Two-sided panels (2S) are optional.
¹ Panel tested while supported on four sides.