

Exterior Architectural Panels



Nudo Endurex™ 300 Technical Data

Nudo Endurex™ 300 panels are composite panels composed of a solid recycled thermoplastic core laminated between two sheets of aluminum. The aluminum surface comes in two different finishes which are embossed or smooth. The panel is primarily used as a glazing panel, also referred to as either an in-fill panel or storefront panel. Endurex 300 has a polyester paint finish which is available in three standard colors. The Endurex 300 panel has a Class a fire-rating for flame spread and smoke development when tested per ASTM E84 standards.

Physical Properties: Table 1

Item	Nominal Panel Thickness	Nominal Panel Weight	Color	Size
Endurex 300	1/4"	1.5# psf	Silver Gray Polar White Extra Dark Bronze	4'X8' 4'X10' (Cut To Size)

Physical Properties: Table 2

Property	Typical Value		Test Method
Surface Burn Test	Class A	N/A	ASTM E84
Flame Spread	20	N/A	ASTM E84
Smoke Development	≤ 250	N/A	ASTM E84



Nudo Endurex™ 300

Typical Applications: Nudo Endurex™ 300 is an exterior panel primarily used in a window frame, curtain wall, or storefront. The panel is generally glazed into the window channel in place of glass. Often used on schools, office buildings, retail stores, fascia's, soffits, etc.

Features: The polyester paint finish comes in three standard colors Polar White, Silver Gray, and Extra Dark Bronze to match typical window frames. The polyester paint finish is protected by a film that pulls away when ready for use. The recycled solid thermoplastic core is water resistant and rigid, yet formable if required.

Cut to Size: Nudo Endurex™ 300 can be ordered in sizes cut to user provided dimensions. Nudo Products, Inc. offers optimization services but does not calculate take offs.

Tolerances:

- Thickness: +/- 1/16"
- Width: +0", - 1/8"
- Length: +0", - 1/8"
- Squareness: +/-1/4"

Storage: Nudo Endurex™ 300 Panels should always be stored flat on a smooth surface above the ground. A pallet with a smooth piece of plywood beneath the panels is best to avoid any warping or waviness. As with most building products, it is best to acclimate the panel on site 48 hours before installation. Although the panels are moisture resistant, be sure panels are kept dry prior to installation to ensure water is not trapped under the protective film.

Handling: Although Endurex 300 panels are rigid and have good impact resistance, the aluminum faces can be scratched or dented if not handled properly. Do not drop or bump the panel on its edges as this may cause unwanted bending of the aluminum. Do not slide the panel edges or face over rough surfaces that may cause bending or scratching. Pick panels up when handling as compared to sliding panels across each other. Sliding panels may cause scratches on one or both faces.

Optimization: When performing panel optimizations for the purpose of cutting panels to size, always check to ensure if the surface finish is "directional". Some finishes require the panels to be installed so all panel surfaces run the same direction.

Fabrication: Use protective eyewear such as goggles or safety glasses, cover your nose and mouth with a filter mask when cutting Endurex 300.

- Always position the panel so the saw blades enter the exterior side first to avoid chipping and damage.
- Cutting: Use a circular saw with a 72-tooth carbide tipped blade.

Warranty: Endurex 300 has a five (5) Year Warranty on both the panel and the polyester paint finish.

Cleaning & Maintenance: The Endurex 300 panel requires almost no maintenance. If the surface does need to be cleaned, use a mild cleaning detergent with water.

Disclaimer: We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions of use are beyond our control, the user assumes all risks. Nothing herein shall be construed as a recommendation for use that infringes on valid patent or as extending a license under valid permit.

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