

Exterior Architectural  
Panels



Nudo Endurex™ 315 Technical Data

Nudo Endurex™ 315 panels are composite panels composed of a corrugated polypropylene core laminated between two sheets of .032" aluminum. The aluminum surface may be either embossed or smooth. The panel is primarily used as a glazing panel. Also referred to as either an In-Fill panel or a Storefront panel. Endurex 315 has either a Kynar paint finish or Anodized aluminum. The Kynar finish is available in dozens of standard colors and almost any custom color. The Anodized aluminum is available in seven finishes. The panel has a Class A rating for flame spread and smoke developed when tested per ASTM E84 standards.

Physical Properties: Table 1

Item	Nominal Panel Thickness	Nominal Panel Weight	Color	Size
Endurex 315	1/4"	2.0# psf	Dozens of Standard Kynar Colors and a Variety of Anodized Aluminum Finishes.  See Nudo Color Chart for Options.	4'X8' 4'X10' 5'X8' 5'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™ 315

**Typical Applications:** Nudo Endurex™ 315 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 Kynar paint finish comes in dozens of standard colors. The Anodized aluminum finish is available in Clear, Light Bronze, Medium Bronze, Dark Bronze, Extra Dark Bronze, Champagne, and Black. The corrugated polypropylene core is water resistant and lightweight. The corrugated material provides a limited amount of insulating value but the Endurex 315 is not recommended as an insulating panel.

**Cut to Size:** Nudo Endurex™ 315 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™ 315 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 315 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 315.

- 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 315 has a five (5) Year Warranty on the panel and a twenty (20) years warranty on both the Kynar and Anodized finishes.

**Cleaning & Maintenance:** The Endurex 315 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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