

# Product Data Sheet

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## Nudo - Endurex 310

Architectural Panels

Endurex 310 panels are sold as composite panels composed of a corrugated polypropylene core sandwiched between two sheets of .015" 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 310 has a polyester paint finish which is available in four standard colors. The panel has a Class A rating for flame spread and smoke developed when tested per ASTM E-84.

Table 1 – Physical Properties – Endurex 310

Item	Nominal Thickness	Nominal Panel Weight	Colors	Sizes
Endurex 310	¼"	1.2 psf	Universal Bronze, Silver-Gray, White and Extra Dark Bronze	4' x 8' 4' x 10' 4' x 12' 5' x 8' 5' x 10' Cut to Size

Table 2 – Physical Properties – Endurex 310

Property	Test	Value	Unit
Fire Rating - Flame Spread and Smoke Developed	ASTM E-84	Class A	N/A

## Typical Applications

As 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, fascias, soffits, etc.

## Features

The polyester paint finish comes in four standard colors. White, Universal Bronze, Silver-Gray and Extra Dark Bronze match typical window frames. The polyester paint finish is protected by a film that pulls away when ready for use. The corrugated polypropylene core is water resistant and rigid. Although lighter in weight, the corrugated core does not provide the same degree of impact resistance as other Endurex 300 Series panel cores.

## Cut-To-Size

The Endurex 310 can be ordered in sizes cut to user provided dimensions. Nudo Products, Inc. offers optimization services but does not calculate take-offs.

## Storage

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 insure water is not trapped under the protective film.

## Handling

Although Endurex 310 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 face.

## Optimization

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

## Fabricating

**Note:** Use protective eyewear such as goggles or safety glasses, cover your nose and mouth with a filter mask when cutting Endurex 310.

Always position the panel so the saw blades enter the exterior side first to avoid chipping and damage.

Cutting: Use a 72-tooth circular saw with a carbide tipped blade.

## Cleaning & Maintenance

The Endurex 310 requires almost no maintenance. If the surface does need to be cleaned, use a mild cleaning detergent with water.

## Tolerances

Thickness: + or - 1/16"  
Width: Plus 0", Minus 1/8"  
Length: Plus 0", Minus 1/8"  
Square: + or - 1/4"

## Warranty

Endurex 310 has a 5 Year Warranty on both the panel and the polyester paint finish.

**We believe all information provided 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 considered as a recommendation for use that infringes on valid patent or as extending a license under valid permit.**

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