

Product Data Sheet

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Nudo - Endurex 305

Architectural Panels

Endurex 305 panels are sold as composite panels composed of a solid recycled thermo-plastic core sandwiched 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 305 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 five finishes. The panel has a Class A rating for flame spread and smoke developed when tested per ASTM E-84.

Table 1 – Physical Properties – Endurex 305

| | Nominal Thickness | Nominal Panel Weight | Colors | Sizes |
|-------------|-------------------|----------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Item | | | | |
| Endurex 305 | ¼" | 2.5 psf | Dozens of Standard Kynar Colors and a variety of Anodized Aluminum Finishes. See Nudo Color Chart for Options. | 4' x 8' 4' x 10' 4' x 12' Cut to Size |

Table 2 – Physical Properties – Endurex 305

| Property | Test | Value | Units |
|------------------------------------------------|-----------|---------|-------|
| 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 Kynar paint finish comes in dozens of standard colors. The Anodized aluminum finish is available in Clear, Bronze, Extra Dark Bronze, Champagne and Black. The recycled solid thermoplastic core is water resistant and rigid, yet formable if required. The solid plastic core will not absorb or hold moisture. The combinations of impact resistance, moisture resistance and rigidity make the Endurex 305 the most complete panel of its type available.

Cut-To-Size

The Endurex 305 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 305 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 ensure 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 305.

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 305 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 305 has a 5 Year Warranty on the panel and a 20 Year limited warranty on both the Kynar and Anodized finishes.

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 a valid patent or as extending a license under valid permit.

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