

Exterior Architectural Panels



Nudo Endurex™ 550P Technical Data

Nudo Endurex™ 550P panels are insulated composite panels, primarily used within a frame or extrusion. The panels are composed of an insulating foam core laminated between Porcelain clad stabilizers on the inside and outside of the panel. The stabilizers can be Hardboard, Corrugated Polypropylene, or Cement Board. The Porcelain surface is usually smooth. A 2lb EPS (expanded polystyrene) foam is the standard insulating core. Also available is a higher R-Value and greater fire resistant polyisocyanurate foam. The panel is primarily used as a glazing panel in window frames or within extrusions as a curtain wall. Also referred to as either an In-Fill panel or a Storefront panel. Endurex 550P has a Porcelain finish, available in eight standard colors. 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 550P	1"	3.3# psf	Bone White	Cut To Size
	2"	3.6# psf	Stone White	
	3"	3.9# psf	Colonial White	
	4"	4.2# psf	Antique White	
			Sahara Sand	
			Hartford Green	
			Dark Bronze	
			Matte Black	

Physical Properties: Table 2 (Typical Foam Core Properties)

Type of Foam	Characteristics	R-Value Per Inch	Density
Expanded Polystyrene (EPS)	Lightweight (Most Affordable)	4.8	2#
Polyisocyanurate (ISO)	Higher Fire Rating and R-Value	7.0-7.5	N/A



Nudo Endurex™ 550P

Typical Applications: Nudo Endurex™ 550P 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, high rise apartments & commercial buildings.

Features: The Porcelain finish comes in eight standard colors. Bone White, Stone White, Colonial White, Antique White, Sahara Sand, Hartford Green, Dark Bronze, Matte Black. The Porcelain finish is protected by a film that pulls away when ready for use. Choosing from the three insulating foams offered, and the foam thickness, an insulating value of up to R-30 can be reached.

Cut to Size: Nudo Endurex™ 550P 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™ 550P 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 550P panels are rigid and have good impact resistance, the steel 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 steel. 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.

Fabrication: Use protective eyewear such as goggles or safety glasses, cover your nose and mouth with a filter mask when cutting Endurex 550P.

- 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 60-tooth carbide tipped blade.

Warranty: Endurex 550P has a five (5) Year Warranty on the panel and twenty (20) Year Warranty on the Porcelain Finish.

Cleaning & Maintenance: The Endurex 550P 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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