

#### **NUDO NuPoly™ High Density Poly Ethylene(HDPE) Laminated Wall & Ceiling Panels**

NUDO NuPoly™ factory laminated HDPE panels are manufactured by laminating BPLite™ - High Density Poly Ethylene (HDPE) on one or two sides of a substrate, such as oriented strand board (OSB), plywood, gypsum, or particle board.

The NuPoly™ factory laminated HDPE panels are available with a cracked ice, haircell, quadripple, moroccan or smooth finishes and are designed to be installed directly to interior studs, ceilings or floor joists. NUDO NuPoly™ panels are a durable wall, floor and ceiling panel that is resistant to mold, mildew and corrosion. Nudo BPLite™ finishes have been tested for flame spread and smoke development per ASTM E-84 (see appropriate technical data). Nudo makes no representation or warranty as to the composite panels capability for any specific application, overall physical properties, fire resistance, or burning characteristics when laminating BPLite™ liner panels to any substrate. Physical properties and fire resistance technical data on the various substrates are available from the specific substrate manufacturers. All installations of these panels should be approved by the local building code official prior to placing order for panels.

#### LIMITATIONS OF PRODUCT:

NUDO NuPoly™ factory laminated HDPE panels are designed as an indoor wall and ceiling panel. It should never be exposed to extremely high or extremely low moisture conditions. Color distortion may also occur when panels are exposed to excessive heat source that exceeds 130F (54C), such as ovens, deep fryers, stoves, etc. Panels should be inspected on-site prior to installation. If any portion of the panels is not deemed acceptable, notify Nudo immediately. Upon verification of unacceptable panels, Nudo will replace that portion of the material, but will not take responsibility for the labor, other handling or installation expenses.

#### PRECONDITIONING:

Prior to installing NuPoly™ factory laminated HDPE panels, remove the packaging materials and allow the panels to acclimate to room temperature and humidity for at least 48 hours. Ideally, the room temperature and humidity during acclimation and installation should be the same as the final operation conditions.

#### LAMINATED PANEL QUALITY, FABRICATION AND HANDLING

- NuPoly™ factory laminated HDPE panels shall not delaminate from the substrate, when edges are securely fastened to an adequate structural system, and when joints and edges are protected with a permanently flexible silicone type caulking compound and suitable vinyl or aluminum division bars.
- NuPoly™ factory laminated HDPE panels shall have good contact and uniform appearance over the entire surface of the substrate.
- Alignment and adhesive squeeze-out between BPLite™ HDPE and substrate will be to  $\pm 1/16"$  (1.5mm) on any edge.
- NuPoly™ panel weight will vary as a function of substrate thickness, density, and moisture content.

NuPoly™ dimensional tolerances will be:

Width:  $+0" - 1/8"$  (4mm)

Length:  $\pm 1/8"$  (4mm)

Squareness:  $1/8"$  (4mm) in 48" (1.2m).



Nudo NuPoly™ factory laminated HDPE panels colors come in all textures, cracked ice, haircell, quadriple, moroccan or smooth and shall be uniform as specified [Table 1].

Table 1

Part Number Identifier	Nominal BPLite™ Thickness	Substrate Thickness /Description	Size	All Textured Color Finishes
E3P375	.030, .050, .090	<sup>3/8"</sup> Fir Exterior Plywood	4 x 8,10,12	White Black Charcoal Gray Beige
E3W375	.030, .050, .090	<sup>3/8"</sup> Wafer board – OSB	4 x 8,10,12	
E3DF375	.030, .050, .090	<sup>3/8"</sup> Fire-Rated Particle Board	4 x 8,10	
E3P500	.030, .050, .090	<sup>1/2"</sup> Fir Exterior plywood	4 x 8,10,12	
E3W625	.030, .050, .090	<sup>5/8"</sup> Fire-Rated Waferboard	4 x 8,10	
E3PB500-CT[2,4]	.030, .050, .090	<sup>1/2"</sup> Fire-Rated Gypsum	2x2, 2x4	
E3PB500-F[100, 150, 200-CT[2,4]	.030, .050, .090	Fire /Moisture Rated Gypsum w/ 1", 1.5"or 2" Expanded or Extruded (EPS)	2x2, 2x4	
E3PB625-CT[2,4]	.030, .050, .090	<sup>5/8"</sup> Fire-Rated Gypsum	2x2, 2x4	

[Color availability subject to change with no prior notice] [Custom HDPE thickness available]

- Variation in panel integrity will be due to the substrate, not the laminated HDPE or adhesive bond.
- Please refer to NUDO BPLite™ technical data for cleaning instructions.
- Panels can be installed with the same tools and techniques as ordinary wood panels. Carbide-tipped tools are recommended, as well as safety equipment. Eye protection and filtered mask should be worn during cutting and trimming operations.

**STORAGE:**

Nudo NuPoly factory laminated HDPE panels should be stored horizontally indoors on a pallet allowing a contiguous flat surface, in a dry location. Panels should never be stored on the floor or an outside wall. Exposure to humid or wet conditions prior to installation may cause moisture damage. Standing water on surface of panels prior to installation may cause color distortion. Optimum storage conditions are 60°F (16°C) to 75°F (24°C) and 35% to 55% relative humidity.

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. Nothing herein shall be construed as a recommendation for use or as extending a license under valid patent.



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