

Moisture and Impact
Resistant Wall and
Ceiling Panel



Nudo NuPoly™ Technical Data

NUDO NuPoly™ factory laminated HDPE panels are manufactured by laminating BPLite™ - High Density Polyethylene (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 E84 (see appropriate technical data). Nudo makes no representation or warranty as to the composite panel's 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.

Physical Properties Table 1

Part Number Identifier	Nominal BPLite™ Thickness	Substrate Thickness/Description	Size	Approx. Weight (lbsf)	All Textures and Color Finishes
E[3,5,9]P375	.030", .050", .090"	3/8" Fir Exterior Plywood	4'X8', 10', 12'	1.07#	White Black Charcoal Gray Beige [Custom Colors Available with Minimum Order Qty.]
E[3,5,9]W375	.030", .050", .090"	3/8" Wafer Board - OSB	4'X8', 10', 12'	1.50#	
E[3,5,9]P500	.030", .050", .090"	1/2" Fir Exterior Plywood	4'X8', 10', 12'	1.50#	
E[3,5,9]W625	.030", .050", .090"	5/8" Wafer Board - OSB	4'X8', 10', 12'	2.37#	
E[3,5,9]PB500	.030", .050", .090"	1/2" Fire-Rated Gypsum	4'X8', 10'	2.40#	
E[3,5,9]PB500-CT[2,4]	.030", .050", .090"	1/2" Fire-Rated Gypsum	2'X2', 2'X4'	2.40#	
E[3,5,9]-F[100,150,200]-CT[2,4]	.030", .050", .090"	1/2" Fire/Moisture-Rated Gypsum w/ 1", 1.5", or 2" Expanded or Extruded Foam	2'X2', 2'X4'	2.60#	
E[3,5,9]PB625-CT[2,4]	.030", .050", .090"	5/8" Fire-Rated Gypsum	2'X2', 2'X4'	2.70#	

RESPONSIVENESS

CONSISTENCY

SOLUTIONS

Composition: High Density Polyethylene sheet factory laminated to a specified substrate composed of plywood, Wafer Board (OSB), or Gypsum.

Preconditioning: Prior to installing NuPoly 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 operational conditions.

Product Limitations: 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.

Finished Panel Quality, Fabrication & 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.
- 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.
- Panel weight will vary as a function of substrate thickness, density, and moisture content.
- Dimensions shall be specified on purchased order, subject to the following tolerances:
 - Width: $\pm 1/8''$ (3.2mm)
 - Length: $\pm 1/8''$ (3.2 mm)
 - Squareness: not more than $1/8''$ (3.2 mm) out of square.
- Panels shall be installed in accordance with the manufacturer's guidelines as set forth in the installation guide lines.
- Please refer to NUDO NuPoly™ Installation Guidelines for cleaning instructions.
- Panels can be installed and fabricated 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: NuPoly laminated should be stored horizontally indoors on 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.

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

