

Moisture and Impact
Resistant Transportation
Liner Panel



Nudo NuFiber™ Transportation Liner Panel Technical Data

NUDO NuFiber™ Transportation Liner panels manufactured by laminating FRP, composed of fiberglass and calcium carbonate-filled polyester resin to a substrate, such as plywood or oriented strand board (OSB).

The NuFiber™ Transportation Liner factory laminated panels, with an embossed or smooth finish are designed for interior wall applications where durable panels are needed. NUDO NuFiber™ panels are a durable liner panel that is resistant to mold, mildew, and corrosion. NUDO NuFiber™ finishes have been tested for flame spread and smoke development per ASTM E-84 (see appropriate technical data). Nudo Products, Inc. makes no representation or warranty as to the composite panel capability for any specific application, overall physical properties, fire resistance, or burning characteristics when laminating NuFiber to any substrate. Physical properties and fire resistance technical data on the various substrates are available from the specific substrate manufacturers.

Physical Properties: Table 1

Panel Part Number Identifier	Nominal FRP Thickness	Substrate Thickness/ Description	Panel Size	Approx. Weight (lbsf)	Embossed Finish Colors
F3P250	.030"	1/4" Fir Exterior Plywood	4'X8'	.95#	White 50
F3P375	.030"	11/32" Fir Exterior Plywood	4'X8', 10', 12'	1.15#	Black 806
F3P625	.030"	19/32" Fir Exterior Plywood	4'X8', 10'	1.85#	Almond 698
F3W375	.030"	3/8" Wafer Board - OSB	4'X8', 10'	1.55#	Charcoal 710
SFDF375-FR	.030"	3/8" Particle Board	4'X8', 10'	1.55#	Blue 525
F3P500	.030"	15/32" Fir Exterior Plywood	4'X8', 10'	1.6#	Brown 277
F3P750	.030"	23/32" Fir Exterior Plywood	4'X8', 10'	2.25#	Red 132
F3PB500-FR-MR	.030"	1/2" Fire-Rated Gypsum	4'X8', 10'	1.5#	Beige 293
F3W425	.030"	7/16" Wafer Board - OSB	4'X8', 10'	1.75#	Pearl Gray 750
F3DF500	.030"	1/2" Particle Board	4'X8', 10'	1.75#	Bordeaux 139
F3W625	.030"	5/8" Wafer Board - OSB	4'X8'	2.45#	Bronze 298
F3PB625-FR-MR	.030"	5/8" Fire-Rated Gypsum	4'X8', 10', 12'	2.65#	Orange 131

[Smooth available in White 50 only]**



NuFiber™ Transportation Liner Panel

Composition: Fiber Reinforced Plastic (FRP) sheet factory laminated to a specified substrate composed of plywood or wafer board (OSB). The color of NuFiber laminated panels shall be uniform as specified in Table 1. Color availability is subject to change with no prior notice, an “S” should be added before product code for smooth panel orders.

Preconditioning: Prior to installing NuFiber 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 NuFiber™ factory laminated HDPE panels are designed as an interior wall 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). 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

- NuFiber™ 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 NuFiber™ laminate 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 NuFiber™ 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: NuFiber laminated panels 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.

RESPONSIVENESS

CONSISTENCY

SOLUTIONS