NUDO
A VERZATEC COMPANY

Technical Data

NuFiber™

Impact and Moisture Resistant Wall and Ceiling Panel

Nudo NuFiber™ Technical Data

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

The NuFiber laminated panels, with an embossed or smooth finish are designed for interior wall or ceiling applications where durable panels are needed. NuFiber panels are a durable wall and ceiling panel that is resistant to mold, mildew, and corrosion. 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. All installations of these panels should be approved by the local building code official prior to placing order for panels.

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 Black 806 Almond 698 Charcoal 710 Blue 525 Brown 277 Red 132 Beige 293 Pearl Gray 750 Bordeaux 139 Bronze 298 Orange 131 Sherwood Green 233 Light Green 467 Yellow 334 Khak i 203
F3P375	.030"	11/32" Fir Exterior Plywood	4'X8', 10', 12'	1.15#	
F3P625	.030"	19/32" Fir Exterior Plywood	4'X8', 10'	1.85#	
F3W375	.030"	3/8" Wafer Board - OSB	4'X8', 10'	1.55#	
SFDF375-FR	.030"	3/8" Particle Board	4'X8', 10'	1.55#	
F3P500	.030"	15/32" Fir Exterior Plywood	4'X8', 10'	1.6#	
F3P750	.030"	23/32" Fir Exterior Plywood	4'X8', 10'	2.25#	
F3PB500	.030"	1/2" Fire-Rated Gypsum	4'X8', 10'	1.5#	
F3W425	.030"	7/16" Wafer Board - OSB	4'X8', 10'	1.75#	
F3DF500	.030"	1/2" Particle Board	4'X8', 10'	1.75#	
F3W625	.030"	5/8" Wafer Board - OSB	4'X8'	2.45#	
F3PB625-FR-MR	.030"	5/8" Fire-Rated Gypsum	4'X8', 10', 12'	2.65#	
Ceiling Tile Part Number Identifier	**Nominal FRP Thickness**	**Substrate Thickness/ Description**	**Panel Size**	**Approx. Weight (lbsf)**	
F9FRPB625-CT4	.090"	.090 Class A FRP laminated to 5/8" FR and MR Gypsum	2'X 2", 4'	3.09#	[Smooth available in White 50 only]**
F3PB500F200-X-CT	.030"	Fire/Moisture Rated Gypsum w/2" expanded foam	2'X2', 4'	2.71#	
F5FRPB625-CT4	.050"	FR TXT FRP/Gypsum	2'X2', 4'	2.65#	

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Composition: Fiber Reinforced Plastic (FRP) sheet factory laminated to a specified substrate composed of plywood, Wafer Board (OSB), Particle Board or Gypsum. 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 laminated panel, 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: NuFiber laminated 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 are not deemed acceptable, notify Nudo Product immediately. Upon verification of unacceptable panels, Nudo Product 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 laminated 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.
- NuFiber laminated 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 ± 1/16" (1.5mm) on any edge.
- Panel weight will vary as a function of substrate thickness, density, and moisture content.
- Panel dimensional tolerances will be:
    - Width: +0" – 1/8" (4mm)
    - Length: ± 1/8" (4mm)
    - Squareness: 1/8" (4mm) in 48" (1.2m).
- Variation in panel integrity will be due to the substrate, not the laminate or adhesive bond.
- 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.