

Lightweight Moisture  
Resistant Wall and  
Ceiling Panel



Nudo FiberCorr™ Technical Data

NUDO FiberCorr™ laminated panels are manufactured by laminating FiberLite FRP to a fluted polypropylene substrate. FiberCorr is often used in carwashes, food processing and agricultural building applications. All installations of these panels should be approved by the local building code official prior to placing order for panels.

The FiberCorr laminated panels, with an embossed or smooth finish is designed for interior wall or ceiling applications where durable panels are needed. FiberCorr is a durable wall and ceiling panel that is resistant to mold, mildew, and corrosion. FiberCorr 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 FiberCorr 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 FiberLite™ Thickness | Substrate Thickness/Description | Size       | All Textures and Color Finishes   |
|------------------------|------------------------------|---------------------------------|------------|---|
| F3C200                 | .040"/FRP One-Sided          | .200" Fluted Polypropylene      | 4'X8', 10' | White 50<br>Black 806<br>Almond 698<br>Charcoal 710<br>Blue 525<br>Brown 277<br>Red 132<br>Beige 293<br>Pearl Gray 750<br>Bordeaux 139<br>Bronze 298<br>Orange 131<br>Sherwood Green 233<br>Light Green 467<br>Yellow 334<br>Khaki 203<br>[Smooth in White 50 only]** |
| F3C400                 | .040"/FRP One-Sided          | .400" Fluted Polypropylene      | 4'X8', 10' |   |
| F3C400-D-CT            | .040"/FRP Double-Sided       | .400" Fluted Polypropylene      | 2'x2', 4'  |   |

RESPONSIVENESS

CONSISTENCY

SOLUTIONS

**Composition:** Fiber Reinforced Plastic (FRP) sheet factory laminated to a fluted polypropylene substrate. The color of FiberCorr 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 FiberCorr 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:** FiberCorr 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**

- FiberCorr 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.
- FiberCorr laminated panels shall have good contact and uniform appearance over the entire surface of the substrate.
- Alignment and adhesive squeeze-out between FiberCorr 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.
- Panel dimensional tolerances will be:
  - Width:  $+0$ " –  $1/8$ " (4mm)
  - Length:  $\pm 1/8$ " (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 FiberCorr™ 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:** FiberCorr 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.