

FiberLite FRP panels are solid sheets composed of fiberglass and calcium carbonate-filled polyester resin. An embossed panel designed for interior wall finishes where a washable, durable panel is needed. FiberLite is a durable, flexible building material that is resistant to mold, mildew and corrosion. The panel has a Class C rating for flame spread and smoke developed when tested per ASTM E-84.

Table 1
Physical Properties

	Typical Value	Typical Value	Test Method
Property			
Surface Burn Test	Class C	Class C	ASTM E84
Flexural Strength	17,000	psi	ASTM D790
Flexural Modulus	6.0 x 10 ⁵	psi	ASTM D790
Flexural Load			ASTM D790
Tensile Strength	8,000	psi	ASTM D638
Tensile Modulus	9.43 x 10 ⁵	psi	ASTM D638
Barcol Hardness	35		ASTM D2583
Izod Impact	7.0	ft-lbs/in	ASTM D256

Table 2
Physical Properties

	Nominal Panel Thickness	Nominal Panel Weight	Color	Size
Part No.				
LP-F9-FR (Embossed)	.05"-.090"	1.0 psf	Almond, Beige, Black, Blue, Bordeaux, brown, Coral, Ivory, Khaki, Pearl Gray, Red, Silver, White, Pineapple, Gray	4' x 8' 4' x 10' Non-standard sizes available in most colors, made-to order,
NCP-FD-LR-FR (Leather)	.090"	1.0 psf	Green, Almond, Silver, White	
NCP-FD-LR-FR (Linen)	.090"	1.0 psf	Almond, Silver, White	
LP-S9-FR (Smooth)	.05"-.090"	1.0 psf	Silver, White, Almond, Black	4' x 8' 4' x 10'

Table 2
Physical Properties

	Nominal Panel Thickness	Nominal Panel Weight	Color	Size
Part No.				
LP-F9-CT-FR (Embossed)	.090"	1.0 psf	Almond, Ivory, Pearl Gray, Beige, Silver, White	2' x 2' 2' x 4'
LP-F120-CT	.090"	1.0 psf		

Specifications

The Allure panels are manufactured with state-of-the-art laminating equipment and adhesives.

Composition

1. Decorative paper made with a melamine finish surface.
2. Core is an aluminum composite panel with an HDPE center.
3. The backer is an adhesive phenolic receptive paper.

Finish Panel Quality

1. The backside shall be smooth. Backside imperfections which do not affect functional properties are not cause for rejection.
2. Physical properties shall be set forth in Table 1.
3. Product quality standards and tolerance for panel weight and thickness shall be set for in Nudo Product, In Quality Control Procedures/Standards which are available upon request.
4. Dimensions shall be specified on purchased order, subject to the following tolerances:
- Width:
- Length:
- Squareness:
5. Panels shall be installed in accordance with the manufacturer's guidelines as set forth in the installation guide.

Certification

1. Meets the minimum requirements of the major model building codes for Class C interior wall finishes. Flame spread of less than 200, smoke development less than 450 per ASTM E-84.

Fabricating Recommendations

Note: Protect your eyes with goggles; cover your nose and mouth with a filter mask when cutting Allure panels. When cutting Allure, position the panel so that the saw blade enters the decorative side first, to avoid chipping and damage.

Hand Fabricating: Drilling—high speed drill bit (60° cutting angle, with 12°—15° clearance) or hold saw.

Cutting: 72-tooth circular saw with reinforced carbide-tipped blade.

Storage

Allure should be stored horizontally indoors on the contiguous flat surface. Protective film should remain on the panel until installation. Panels should never be stored on the floor or an outside wall.

Optimum storage conditions are 60° F (16° C) to 75° F (24°C) and 35% to 55% relative humidity.

Preconditioning

Prior to installing Allure, 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. **DO NOT REMOVE PROTECTIVE FILM FROM PANEL SURFACE UNTIL AFTER INSTALLATION AND BUILDING IS AT OPERATIONAL TEMPERATURE CONDITIONS.**

Product Limitations

Allure is designed as an indoor decorative panel. It should never be exposed to extremely high or extremely low moisture conditions. Allure is designed to be installed over a solid wall surface and should never be directly installed over studs, concrete, concrete block, or non insulated exterior walls. Allure should be installed between 60° F (16° C) to 75° F (24 ° C) and 35 to 55% relative humidity. Non-compliance with product limitations may affect future performance and voids warranty.

Cleaning Instructions

Allure is easy to clean. In most cases, use a clean damp non-abrasive cotton cloth and a mild liquid detergent or household cleaner. Always rinse with clean water and a clean, non-abrasive cotton cloth.

DO NOT USE: Abrasive cleaners with bleach, cleaners with acid, alkali or sodium hypochlorite. They will damage and permanently discolor the surface. Be sure that bottles, rags or other materials with these cleaners never come in contact with the surface.

Examples of harsh cleaners to avoid include but are not limited to: Bleach, Drain Cleaners, Metal Cleaners, Oven Cleaners, Rust Removers, Tub and Tile Cleaners, Lime Scale Remover.

Removal of Stains

To remove stains, use full strength Fantastik, all Purpose Cleaner, Formula 409, Pine-Sol, or other mild household cleaners. Blot with clean, damp, non-abrasive cotton cloth and rinse with cleaner water. When recommended cleaner changes its formulation, the change may be harmful to the surface. Nudo Products, Inc. cannot be held responsible for these changes. Follow all directions and warnings on the cleaner label because some are extremely flammable.

Dyes and pharmaceutical products will permanently stain the panels. These include hair dyes, silver nitrate, laundry bluing, tannic acid, povidone-iodine, dermatological tar compounds, and peroxide. To reduce these stains, apply a paste of baking soda and water on the area to pull out the stain. Do not rub, as the paste will be slightly abrasive. Wipe up the paste with a clean, damp, non-abrasive cotton cloth, and rinse with clean water.

Stains that are stubborn or even permanent and may not disappear include: wood stains, cash register inks, newsprint, marking pen inks, indelible ink, food pricing ink, and label inks.

Stubborn stains that may disappear on their own after a short time or after repeated cleaning include food stains, glass rings, water marks, coffee and tea stains.

FLAME SPREAD AND SMOKE DEVELOP RATINGS:

The numerical flame spread and smoke development ratings are not intended to reflect hazards presented by Nudo Product, Inc. products or any other material under actual fire conditions. These ratings are determined by small-scale tests conducted by Underwriters Laboratories and other independent testing facilities using the American Society for Testing and materials E-84 test standards (common referred to as the "Tunnel-Test"). **NUDO PRODUCTS INC. PROVIDES THESE RATING FOR MATERIAL COMPARISON PURPOSES ONLY.** Like other organic building materials, (ie: wood) panels made up of composite material will burn. When ignited, it may produce dense smoke very rapidly. All smoke is toxic. Fire safety requires proper design of facilities and fire suppression systems, as well as precautions during construction and occupancy. Local codes, insurance requirements and any special needs of the product user will determine the correct fire-rated interior finish and fire suppression system necessary for a specific installation.

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 assume all risks. Nothing herein shall be considered as a recommendation for use that infringes on valid patent are as extending a license under valid permit.