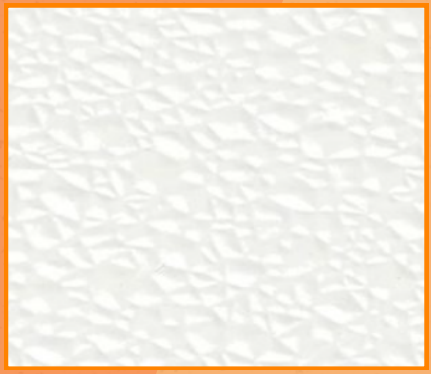
Fiberglass Reinforced Plastic (FRP)

BENNER PRODUCTS

BENNER FIBERGLASS REINFORCED PLASTIC

www.bennerproducts.com

Our **Fiberglass Reinforced Plastic (FRP)** panels offer a durable, high-performance surface that resists dirt and stains, making them ideal for demanding commercial environments where cleanliness is a priority. Made from an impact-resistant composite commonly used in aerospace, automotive, marine, and construction industries, our FRP panels provide exceptional protection against rot, stains, mold, and mildew. Unlike traditional materials, they won't dent or splinter, even under extreme conditions. If you're looking for a wall or ceiling panel that is easy to maintain and built to withstand heavy use, this is the perfect solution.



Class A Fire Rating .090" thickness embossed		
Physical Property	**Typical Value**	**Test Method**
Flexural Strength (psi)	14000	ASTM D790
Flexural Modulus (psi × 10^6)	0.52	ASTM D790
Tensile Strength (psi)	4300	ASTM D638
Tensile Modulus (psi × 10^6)	0.42	ASTM D638
Barcol Hardness	39	ASTM D2583
Coefficient of Thermal Expansion (in/in – F × 10^5)	3.2	ASTM D696
Water Absorption (%)	0.2	ASTM D570
Surface Burning	Class A	ASTM E-84

Class C Fire Rating .090" thickness embossed		
Physical Property	**Typical Value**	**Test Method**
Flexural Strength (psi)	14000	ASTM D790
Flexural Modulus (psi × 10^6)	0.69	ASTM D790
Tensile Strength (psi)	10000	ASTM D638
Tensile Modulus (psi × 10^6)	1.08	ASTM D638
Barcol Hardness	35	ASTM D2583
Coefficient of Thermal Expansion (×10^5 in/in/°F)	3.51	ASTM D696
Water Absorption (%)	0.2	ASTM D570
Surface Burning	Class C	ASTM E-84

Applications:

- **Commercial kitchens**
- **Public restrooms**
- **Hospitals**
- **Schools**
- **Correctional facilities**
- **Restaurants**
- **Car washes**
- **Meat and dairy processing facilities**
- **Walk-in coolers and freezers**
- **Supermarkets**
- **Clean rooms and laboratories**

BENNER FIBERGLASS REINFORCED PLASTIC – SMOOTH FINISH

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Our **Benner FRP Smooth Finish** panels are engineered for high-performance environments where cleanliness, durability, and easy maintenance are critical. Designed with a smooth, non-porous surface, these panels provide exceptional resistance to moisture, mold, mildew, and chemicals.

Manufactured using a polyester copolymer resin reinforced with chopped fiberglass, Benner FRP panels deliver excellent impact resistance and long-term performance even under extreme temperature and humidity conditions. Ideal for use where hygiene and durability matter most, these panels install easily over most substrates using standard trims and adhesives.

If you need a seamless, easy-to-clean wall or ceiling surface that resists stains and damage, Benner FRP Smooth Finish panels are the perfect solution.

Physical Property ..075" thickness Panels		
Physical Property	**Typical Value**	**Test Method**
Flexural Strength (psi)	13,000	ASTM D790
Flexural Modulus (psi × 10^6)	0.630	ASTM D790
Tensile Strength (psi)	6,070	ASTM D638
Tensile Modulus (psi × 10^6)	0.76	ASTM D638
Barcol Hardness	38	ASTM D256
Coefficient of Thermal Expansion (×10^{-5} in/in/°F)	3.20	ASTM D696
Water Absorption (%)	0.30	ASTM D570
Surface Burning	Class A	ASTM E-84

*Data based on 0.075" smooth panel testing under controlled laboratory conditions.

- Class A Fire Rated (ASTM E-84)
- NSF/ANSI 51 Certified
- Resists mold, mildew, and chemicals
- Easy to clean, smooth sanitary surface
- High impact and abrasion resistance
- GREENGUARD and GREENGUARD Gold Certified

Applications:

- **Commercial kitchens**
- **Public restrooms**
- **Hospitals**
- **Schools**
- **Correctional facilities**
- **Restaurants**
- **Car washes**
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FIBERGLASS REINFORCED PLASTIC

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White

Bright White

White Smooth

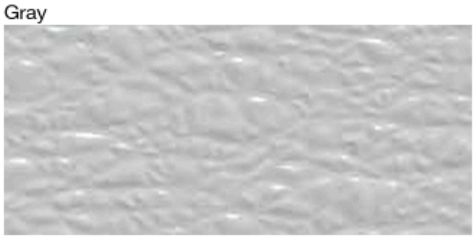
Silver

Black

Almond

Beige

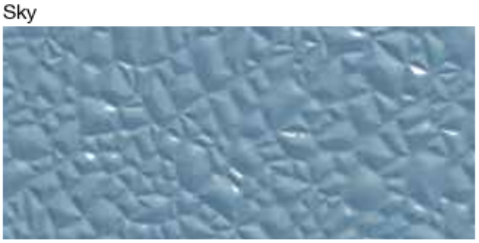
Gray



Ivory

Taupe

Sky



Sage

FRP wall and ceiling panels for those high traffic installations requiring durability and high sanitary standards as well as moisture, mildew and chemical resistance. These are the hardworking, easy-to-clean surfaces you need for utility and service areas.

GREENGUARD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

GOLD

FRP is a product that resists extreme changes in temperature and humidity. Manufactured in standard building product sizes, it can be installed on most common substrates and finished

Sheet Size Availability

- **Standard: 4' width × 8', 9', 10', & 12' lengths**
- **Ceilings: 2' × 2' or 2' × 4'**
- **Pre-cut Options: 23.75" × 23.75" or 23.75"X47.75"**
- **Custom sizes available upon request.**