

GFRMC Ultra Lightweight Panels

High performance composite sanitary wall and ceiling liner panel system.



Gelcoat Fiberglass Reinforced Mat Core (GFRMC) was developed as a holistic system to accommodate the less physically demanding requirements of controlled environment.

GFRMC Ultra Lightweight Wall and Ceiling System

GFRMC : 5mm - 9.5mm is made from a non-woven composite core substrate reinforced with fiberglass mat. The panel's surface coating has a high gloss gel coat finish providing a hard-smooth non-porous finish, making it easy to clean and is virtually maintenance free. The panels are available from 4' (1m) to 9' (2.7m) in width, 4' (1m) to 40' (12.3m) in length, the impressive dimensions make this product very attractive to industries looking to contain high wall and vast ceiling areas with minimal joints.

The super light weight, sturdy, economical and highly functional panel, is ideal for applications as a direct attach panel that can be installed with a variety of ceiling framing configurations. GFRMC lightweight, rigid, extra large panels are easy to handle, custom cut to any size.

- Chemical and stain resistant, high gloss finish
- Customized ceiling configurations
- Highly resistant to vapor, moisture and mildew
- Straightforward interface with all MEP's services
- Seamlessly interfaces with existing structures
- Significantly reduced ceiling system weight



1873 Williamstown Drive, St. Peters, Missouri 63376
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GFRMC wall and ceiling system is suitable for a wide range of applications for many industries and sciences up to level BSL-3.



Arcoplast products meet and exceed USDA, FDA, cGMP, NIH, CDC, BMBL, USP 797 and USP 800 Compliant specific guidelines for maximum containment facilities.

- Human and animal health care
- Pharmaceutical
- Nutraceutical
- Food and beverage processing
- Research laboratories



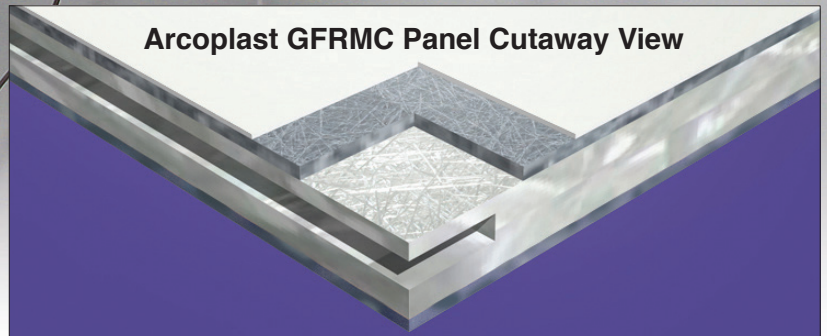
Interior Systems for Critical Environments

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Arcoplast GFRMC Panel Cutaway View



PHYSICAL PROPERTIES GFRMC 5MM

ASTM D 638-14	Tensile Strength (psi)	10100
ASTM D 638-14	Tensile Modulus (psi)	103374.8
ASTM D 790-15	Flexural Strength (psi)	14469.9
ASTM D 790	Flexural Modulus (psi)	613749.6
ASTM D 695	Compressive Strength (psi)	5046.0
ASTM D 695	Compressive Modulus (Msi)	0.595
ASTM D 2538	Barcol Hardness	55.4
ASTM D 696-08	Coefficient of Linear Thermal Expansion	71.40
ASTM D 523-14	Gloss Property LS @ 85 Degree	98.3
ASTM D 570-98	Water Absorption (%by wt.)	2.33
ASTM E 96	Transmission, Inch-Pounds units (Metric)	0.0036 (0.0025)
ASTM E 96	Permanence, Inch - Pounds units (Metric)	0.0079 (0.00022)
ASTM E 84	Flame Spread	20
ASTM E 84	Smoke Development	300
Weight Per Sq.Ft.	GFRMC 5mm	1 lbs.