

# FGI-AM<sup>®</sup> Resin System

## Another specially formulated resin system from Fibergrate

With 50 years of experience in developing and manufacturing composite solutions, Fibergrate Composite Structures has become the acknowledged leader in resin systems development to meet specific industry and performance criteria. Fibergrate's unique FGI-AM<sup>®</sup> resin system has been successfully tested to inhibit the growth of bacteria on the surface of the composite product that in some cases could result in corrosion or degradation of the product.

Most fiberglass reinforced plastic (FRP) products, despite their apparent smooth finishes, have a certain amount of microporosity on the surface of the product that allow bacteria and fungi that cause odors, discoloration and mildew to survive. While FGI-AM is manufactured with a proprietary formulation that can inhibit the growth of bacteria on the product, it does not protect users or others against food-borne (or disease-causing) bacteria and is intended only for non-public health uses. As with any flooring system, FGI-AM products must always be used in conjunction with proper sanitation and hygiene practices.

In addition to protecting the surface of the product from bacteria, FGI-AM is an isophthalic polyester resin system with an ASTM E84 flame spread rating index of 25 or less and is USDA approvable. Fibergrate's FGI-AM resin system is available in a variety of Fibergrate molded products including grating, stair treads, stair tread covers, plate and covered grating. Most products are available in either light gray or green. Fibergrate's Safe-T-Stand<sup>®</sup> work station platforms are also manufactured in this protective system and come in various sizes and heights to improve worker productivity. Safe-T-Stand work platforms are available in green and feature an aluminum-oxide grit top providing a highly durable slip resistant surface. (Please see the back page for a product availability chart for FGI-AM products.)



Photo Above:  
Safe-T-Stand<sup>®</sup> work platforms - Available in different heights for optimal worker comfort; slip resistant surface provides added safety for workers.

## Molded Grating Surface Options:

- **Meniscus Top:** The concave surface of Fibergrate<sup>®</sup> meniscus top grating provides superior slip resistant footing in most environments including wet or oily conditions and is the standard surface for all Fibergrate molded gratings.
- **Integrally Applied Grit Top:** The optional grip top of Fibergrate<sup>®</sup> grating has a quartz grit which is integrally applied, cured and sealed onto the surface providing excellent slip resistant footing.



## FGI-AM<sup>®</sup> Resin System

- Inhibits growth of bacteria on composite products
- Improved isophthalic polyester resin system
- USDA Approvable
- Solution for many industries, including food & beverage
- Available for Fibergrate molded grating, covered grating, Fiberplate, stair treads/covers, & Safe-T-Stand work platforms

Photo on Right:  
FGI-AM<sup>®</sup> grating was utilized for work station platforms that could adjust to the height of the line workers.



# FGI-AM<sup>®</sup> Product Availability

Brand	Depth	Mesh	Standard Panel Sizes	Wt. Per Sq. Ft.	Open Area
Airmesh <sup>®</sup>	1/2"	1-1/2" x 1-1/2" square	4' x 8' ( <i>non-load carrying product</i> )	0.8 lb	87%
Multigrid <sup>®</sup>	1/2"	2" x 2" square	4' x 12', 4' x 15' ( <i>must be fully supported</i> )	1.0 lb	82%
Fibergrate <sup>®</sup>	5/8"	1" x 4" rectangular	12' x 4'	2.0 lb	58%
Fibergrate <sup>®</sup>	3/4"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergrate	3/4"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12'	2.0 lb	70%
Micro-Mesh <sup>®</sup>	1"	Top 3/4" sq, Btm 1-1/2" sq	4' x 12'	2.9 lb	44.4%
Fibergrate	1"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergrate	1"	1" x 4" rectangular	12' x 4'	2.6 lb	65%
Fibergrate	1"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12'	2.5 lb	70%
Fibergrate	1"	2" x 2" square	4' x 12'	1.7 lb	76%
Fibergrate	1-1/4"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12', 5' x 10'	3.2 lb	70%
Fibergrate	1-1/2"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12', 5' x 10'	3.8 lb	70%
High Load	1-1/2"	1" x 2" rectangular	4' x 8'	6.2 lb	48%
Micro-Mesh	1-1/2"	Top 3/4" sq, Btm 1-1/2" sq	2' x 2', 4' x 12'	4.5 lb	44.4%
Fibergrate	2"	2" x 2" square	4' x 12'	4.0 lb	72%
High Load	2"	1" x 2" rectangular	4' x 8'	8.4 lb	48%

**Please note** - The following molded grating panels are **only available with the grit top surface** (meniscus top not an option):  
5/8" deep, 1" x 4" rect. mesh, 12' x 4' panel; 1" depth, 1" x 4" rect. mesh, 12' x 4' panel; 1-1/4" deep, 1-1/2" square mesh

## Fiberplate<sup>®</sup> (Grit Surface)

Depth	Standard Panel Sizes	Weight
3/4"	3' x 10', 4' x 8', 4' x 12', 5' x 10'	2.6 psf
5/8"	3' x 10', 4' x 8', 4' x 12', 5' x 10'	3.9 psf
1/2"	3' x 10', 4' x 8', 4' x 12', 5' x 10'	5.2 psf
3/4"	3' x 10', 4' x 8', 4' x 12', 5' x 10'	7.8 psf

\*Important: 1/8" Plate is available and designed for use as covering only; not recommended for load bearing service (weight = 1.3 psf)

## Covered Grating (Grit Surface)

Depth	Mesh	Panel Size
1-1/8"	1" x 4"	10' x 3', 8' x 4', 12' x 4'
1-1/8"	1-1/2" x 1-1/2"	3' x 10', 4' x 8', 4' x 12'
1-5/8"	1-1/2" x 1-1/2"	3' x 10', 4' x 8', 4' x 12', 5' x 10'
2-1/8"	2" x 2"	4' x 12'

Attachment clips required - 8 per panel included with order

## Stair Solutions

Type	Depth	Mesh	Tread Size
Fibertred <sup>®</sup>	1-1/2"	1-1/2" x 6"	22-1/2" x 120", 25-1/4" x 144"
Stair Tread Cover	1/8"	Solid	Widths 8", 9", 10", 11", 12" in 12' Lengths
Stair Tread Cover	1/4"	Solid	Widths 8", 9", 10", 11", 12" in 12' Lengths

## Safe-T-Stand<sup>®</sup> Work Platforms

Size	Heights
18" x 24"	2", 4", 6", 8", 10"
24" x 24"	2", 4", 6", 8", 10"
36" x 24"	2", 4", 6", 8", 10"



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