

GRP Grating

Captrad's gratings combine unmatched corrosion resistance with strength, long life and safety. With more than ten custom resins, Captrad products are proven to deliver years of reliable service, even in the most demanding corrosive conditions, conditions which cause conventional metallic and wood products to deteriorate rapidly. Captrad products are lightweight and easy to fabricate. Savings on labour and equipment often make the total installed cost of Captrad products comparable to that of steel. Combining these installation savings with low maintenance, long life and worker safety, Captrad products offer a life cycle cost that is significantly lower than that of metallic products.

CaptradCORR is a newly improved isophthalic polyester resin system outperforms a number of competitive fiberglass and metal products and meets the requirements for corrosion resistance found in industrial, chemical processing and water/wastewater applications.

This upgraded formulation has replaced IFR, CP-84 and FS-25 resins.

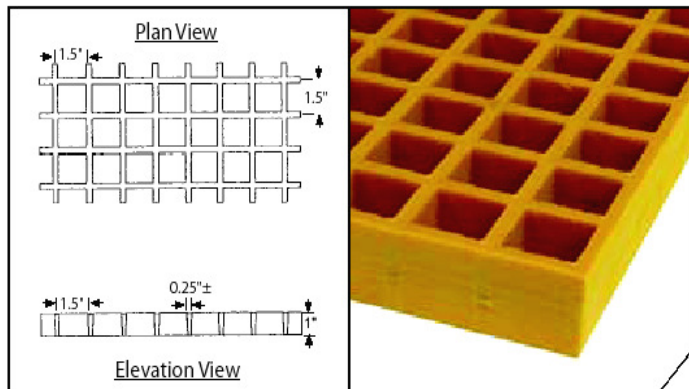
Colours: yellow, dark gray, or dark green.

Flame Spread: ASTM E84 rating of 25 or less.

Certifications: DNV Type Approval No. F-16856.

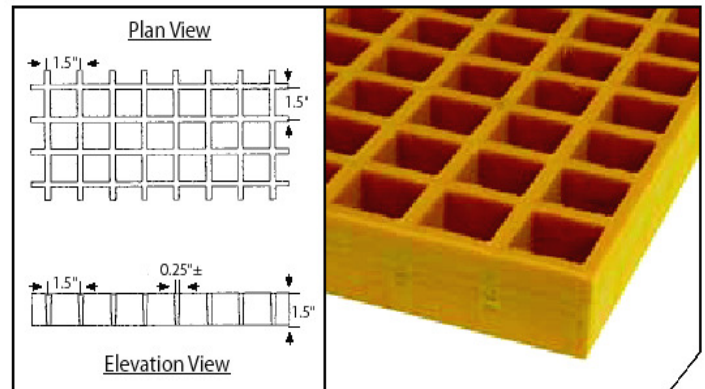
1" Deep x 1-1/2" Square Mesh

# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
8	1/4"	70%	1-1/2"	2.5 psf



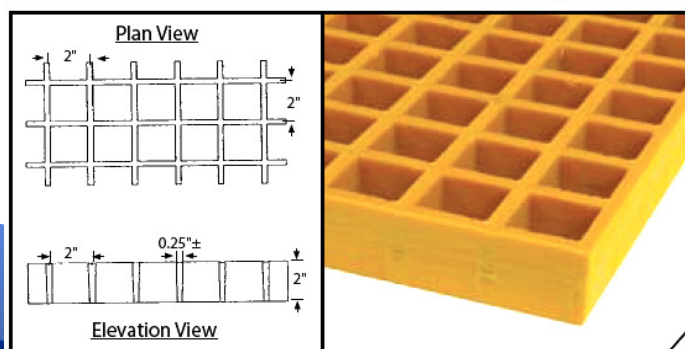
1-1/2" Deep x 1-1/2" Square Mesh

# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
8	1/4"	70%	1-1/2"	3.75 psf



2" Deep x 2" Square Mesh

# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
6	1/4"	72%	2"	4 psf



Section Properties per Ft of Width: A = 2.88 IN² I = 0.96 IN⁴ S = 0.94 IN³

GRP Grating MSDS

SECTION I - PRODUCT & COMPANY IDENTIFICATION

EMERGENCY PHONE NUMBER: +44 (0)1695 680010

Product: CaptradCORR Grating

HMIS Rating: (H=0, F=1, R=0)

PPE: Refer to MSDS Section 8, Control Measures

Reprint Date: 02/13/08

Issue Date: 11/01/95

Review Date: 12/17/01

Revision Date: 02/13/08

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This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION II - CHEMICAL INGREDIENTS

Chemical Component	Cas No.	OSHA-PEL	ACGH TVL
Polymerized Resin	None	N/A	N/A
Fiberglass Reinforced Plastic (FRP)	65997-17-3	5 mg/M ³ (Nuisance Dust)	10 mg/M ³ (Fibrous Glass Dust)
Proprietary Ingredients		N/A	N/A

SECTION III - PHYSICAL - CHEMICAL CHARACTERISTICS

Property	Measurement
Boiling Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity	1.5 - 2.0
Melting Point	N/A
Evaporation Rate	N/A
Solubility in Water	None
Appearance and odor	Various colored meshes and solid shapes. Low to no odor

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point:	N/A
Flammable Limits:	N/A
Extinguishing Media:	Water; Foam/Type A, B or C Extinguishers
Special Firefighting Procedures:	Use Self-Contained Breathing Apparatus (SCBA) with full face mask operated in pressure mode.
Unusual Fire & Explosion Hazards:	Burning FRP creates a complex mixture of solid, liquid, particulate and gasses. Carbon monoxide, other unidentifiable organic compounds may be given off.
LEL:	N/A
UEL:	N/A

SECTION V- REACTIVITY DATA

Stability:	Stable
Conditions to Avoid:	Sources of ignition, sparks or flames, extremely high temperatures
Incompatibility:	Strong Oxidizing Acid
Hazardous Decomposition or Byproducts:	N/A
Hazardous Polymerization:	Will not occur

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SECTION VI- HEALTH HAZARD DATA

Routes of Entry: Inhalation? X Skin? X Ingestion? X

Health Hazards (Acute & Chronic): Dust from cutting may act as a mechanical irritant to skin, eyes and upper respiratory system. Vapors or products of thermal degradation generated by cutting or grinding may aggravate or cause respiratory conditions.

Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs & Symptoms of Exposure: Temporary irritation and itching to skin or eyes. Scratchiness or burning of the nose and/or throat if exposed to large amounts of airborne dust from cutting or machining.

Medical Conditions Generally Aggravated by Exposure: Chronic dermatitis or respiratory conditions.

Emergency and First Aid Procedures: Wash skin well without rubbing. For eyes, use a steril solution and flood the eye area. Change clothing after exposure. Apply antiseptic to any abraded skin area.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: No material is released in the product's normal solid form. However, when cutting, grinding or machining, if airborne dust is generated, the wearing of respirators is recommended. Control and collect any dust. Place in sturdy containers for proper disposal.

Water Disposal Method: Control and collect any dust generated in sturdy containers to prevent dispersal. Dispose of in accordance with all federal, state and local regulations. Generally the dust is not considered a hazardous waste.

Other Precautions: Do not allow dust to go uncontrolled.

SECTION VIII- CONTROL MEASURES

RESPIRATORY PROTECTION: A NIOSH-MSMA Approved for Dusts and Mists with PEL not less than .1 mg/M³ when cutting or grinding.

VENTILATION: Mechanical dust collector with local exhaust recommended at point of generation of any dust due to cutting or grinding.

PROTECTIVE GLOVES: Wear cloth gloves when handling product to prevent cuts, scratches or abrasions.

EYE PROTECTION: Wear Protective eyewear with side shields or ventilated goggles when cutting or grinding.

OTHER PROTECTIVE EQUIPMENT: Barrier cream and long sleeve shirts with closed collars, long pants or protective clothing may be worn to prevent dust exposure when cutting or grinding product.

WORK HYGIENIC PRACTICES: Control and prevent accumulation of any dust generated when cutting or grinding.

Use personal protection equipment to minimize skin, respiratory and eye exposure to dust and fumes when cutting or grinding product. Do not rub or scratch skin if dust particles have accumulated on exposed skin. Wash all exposed skin areas thoroughly after cutting or grinding. Launder clothing separately and frequently to prevent skin exposure.

N/A: Not Applicable

We believe that the above information is valid and reliable. The information, however, is provided without any representation of warranty, express or implied regarding the accuracy of correctness. The conditions of methods of handling, storage, use, cutting grinding, disposal, or other use of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use, cutting grinding, disposal or any other use of this product.
