







Molded Grating Selection & Details

Fibergate® Molded Grating

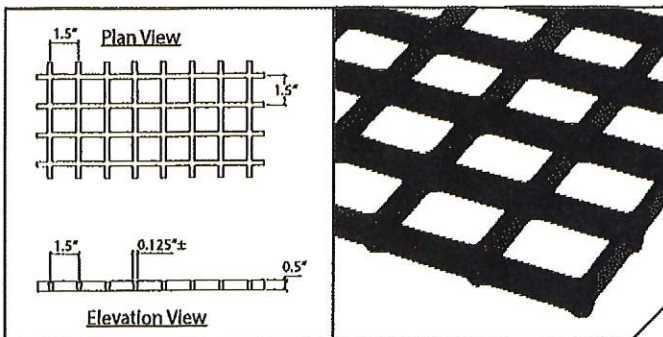
Brand	Depth	Mesh	Standard Panel Sizes	Wt. Per Sq. Ft.	Open Area
Airmesh®	1/2"	1-1/2" x 1-1/2" square	4' x 8' (non-load carrying product)	0.8 lb	87%
Multigrid®	1/2"	2" x 2" square	4' x 12', 4' x 15' (must be fully supported)	1.0 lb	82%
Micro-Mesh® 	1/2"	Top 3/4"±	4'1" x 13'1-3/4"	2.1 lb	43%
Fibergate®	5/8"	1" x 4" rectangular	12' x 4'	2.0 lb	58%
Fibergate	3/4"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergate	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® 	1"	Top 3/4" sq, Btm 1-1/2" sq	4' x 12'	2.9 lb	44.4%
Ecograte®62 	1"	3/4" x 4" rectangular	4' x 12'	3.0 lb	62%
Fibergate	1"	1" x 4" rectangular	10' x 3', 8' x 4'	2.5 lb	69%
Fibergate	1"	1" x 4" rectangular	12' x 4'	2.6 lb	65%
Fibergate	1"	1-1/2" x 1-1/2" square	3' x 10', 4' x 8', 4' x 12'	2.5 lb	70%
Fibergate	1"	2" x 2" square	4' x 12'	1.7 lb	76%
Fibergate	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%
Fibergate	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	6' x 4', 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%
Fibergate	2"	2" x 2" square	4' x 12'	4.0 lb	72%
High Load 	2"	1" x 2" rectangular	6' x 4', 4' x 8'	8.4 lb	48%

See page 8 for surface selection.

Grating Details

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

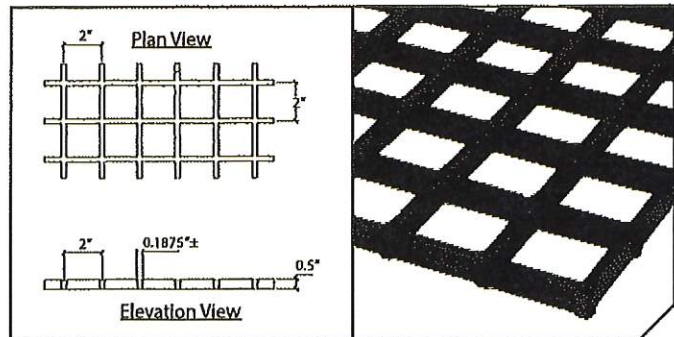
# of Bars/In. of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
8	1/8"	87%	1-1/2"	0.8 psf



Designed for screening applications only

Multigrid® 1/2" Deep x 2" Square Mesh

# of Bars/In. of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
6	3/16"	82%	2"	0.96 psf



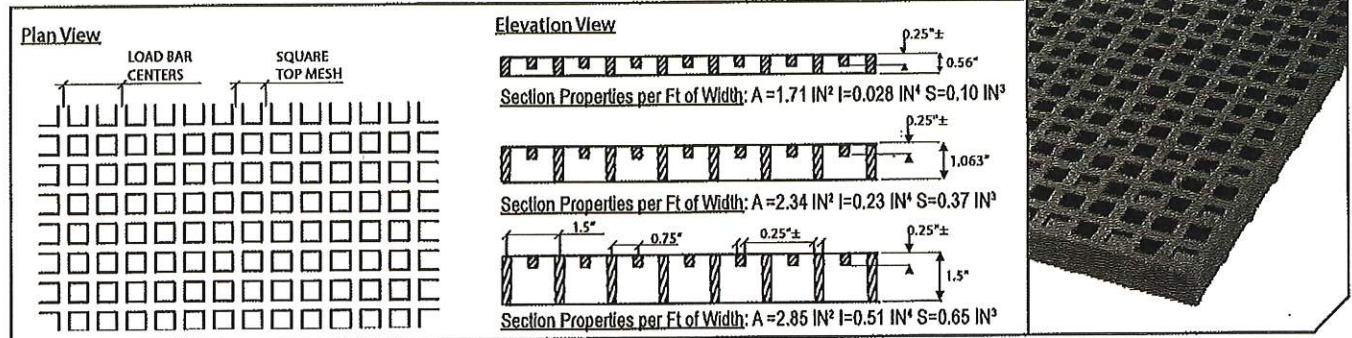
Must be fully supported in walking surface applications

Molded Grating Details

Micro-Mesh® 1/2", 1" & 1-1/2" Deep x 3/4" Sq Top Mesh



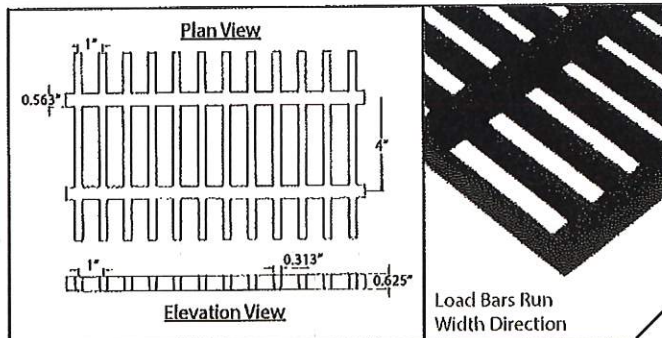
Depth	Square Top Mesh	Panel Size	# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
1/2"	3/4"±	4' 1" x 13' 1-3/4"	8	1/4"	43%	1-9/16"	2.1 psf
1"	3/4"	4' x 12'	8	1/4"	44.4%	1-1/2"	2.9 psf
1-1/2"	3/4"	4' x 12'	8	1/4"	44.4%	1-1/2"	4.5 psf



Ecograte®62

5/8" Deep x 1" x 4" Rectangular Mesh*

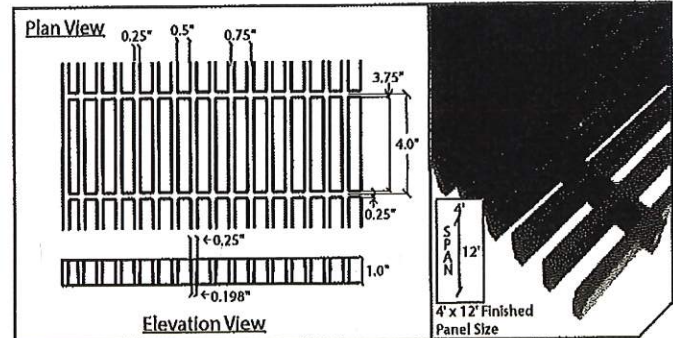
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
12	5/16"	58%	1"	1.98 psf



Section Properties per Ft of Width: A = 2.11 IN² I = 0.07 IN⁴ S = 0.22 IN³
*Not available with meniscus top surface (only grit)

1" Deep x 3/4" x 4" Rectangular Mesh

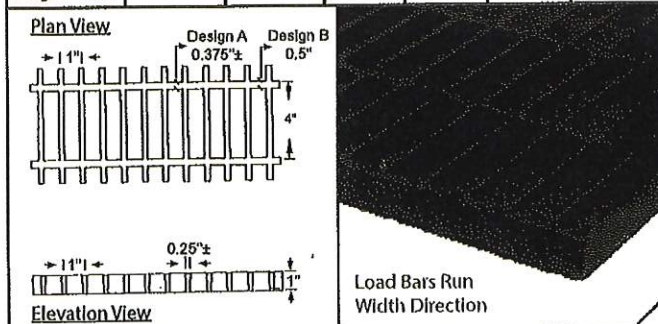
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
16	1/4"	62%	3/4"	3.0 psf



Section Properties per Ft of Width: A = 3.58 IN² I = 0.298 IN⁴ S = 0.573 IN³

1" Deep x 1" x 4" Rectangular Mesh*

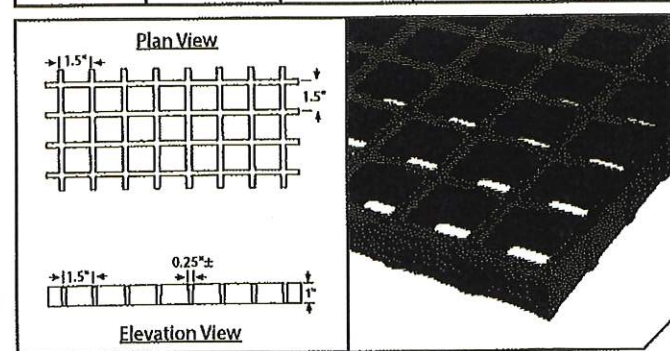
Panel Sizes	# of Bars/ Ft of Width	Load Bar Width	Tie Bar Width	Open Area	Load Bar Centers	Approx Weight
Design A 10' x 3' 8' x 4'	12	1/4"	3/8"	69%	1"	2.5 psf
Design B 12' x 4'	12	1/4"	1/2"	65%	1"	2.6 psf



Section Properties per Ft of Width: A = 2.57 IN² I = 0.22 IN⁴ S = 0.43 IN³
*4' x 12' Panel Only - Not available with meniscus top surface (only grit)

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

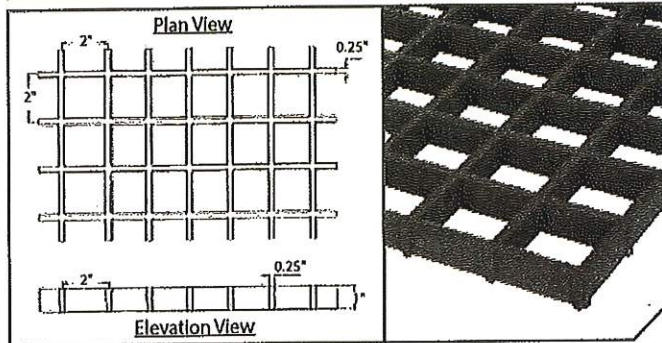


Section Properties per Ft of Width: A = 1.71 IN² I = 0.14 IN⁴ S = 0.29 IN³

Molded Grating Details

1" Deep x 2" Square Mesh

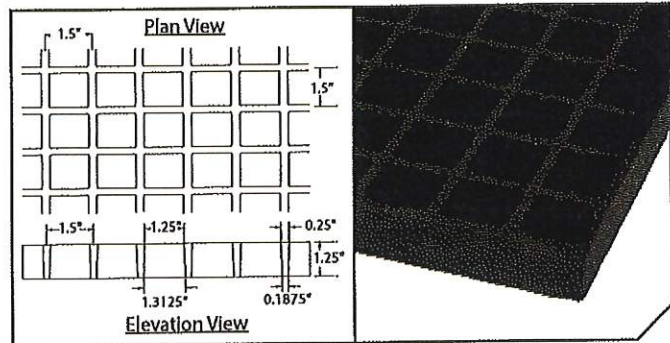
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
6	1/4"	76%	2"	1.7 psf



Section Properties per Ft of Width: $A = 1.27 \text{ IN}^2$ $I = 0.11 \text{ IN}^4$ $S = 0.21 \text{ IN}^3$

1-1/4" 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"	3.2 psf

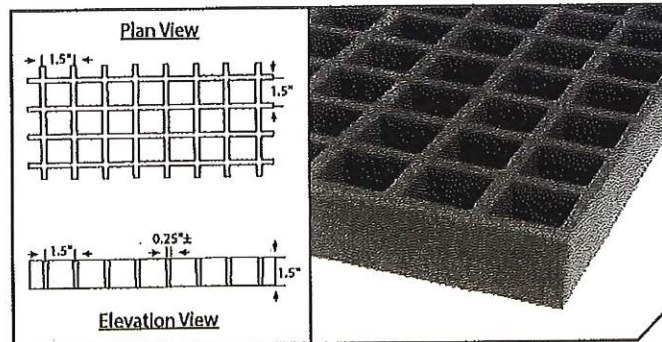


Section Properties per Ft of Width: $A = 2.16 \text{ IN}^2$ $I = 0.32 \text{ IN}^4$ $S = 0.48 \text{ IN}^3$

*Not available with meniscus top surface (only grit)

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

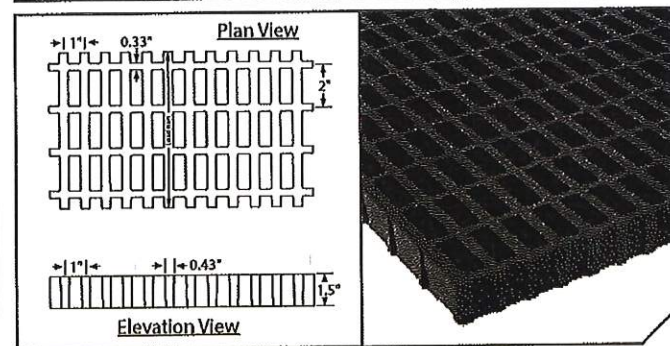
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
8	1/4"	70%	1-1/2"	3.8 psf



Section Properties per Ft of Width: $A = 2.85 \text{ IN}^2$ $I = 0.51 \text{ IN}^4$ $S = 0.65 \text{ IN}^3$

HLC 1-1/2" Deep x 1" x 2" Rectangular Mesh

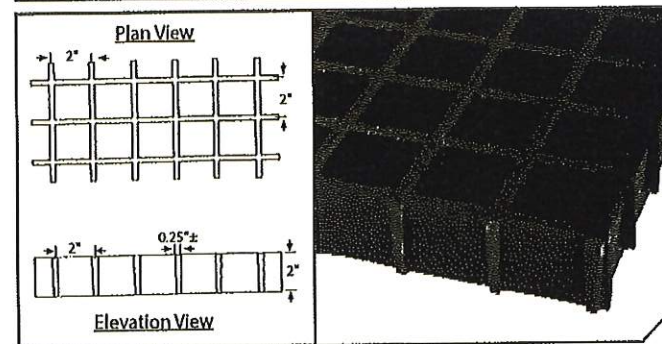
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
12	0.43"	48%	1"	6.2 psf



Section Properties per Ft of Width: $A = 7.45 \text{ IN}^2$ $I = 1.39 \text{ IN}^4$ $S = 1.80 \text{ IN}^3$

2" Deep x 2" Square Mesh

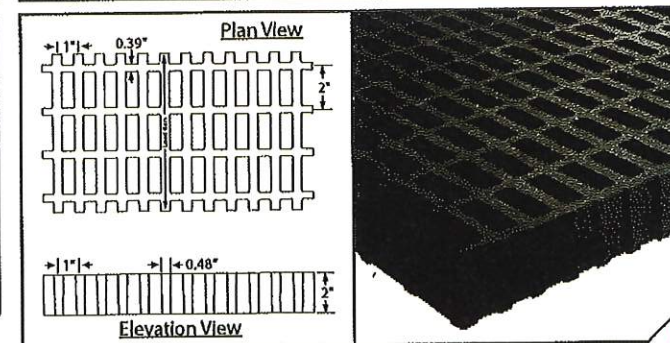
# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
6	1/4"	72%	2"	4.0 psf



Section Properties per Ft of Width: $A = 2.88 \text{ IN}^2$ $I = 0.96 \text{ IN}^4$ $S = 0.94 \text{ IN}^3$

HLC 2" Deep x 1" x 2" Rectangular Mesh

# of Bars/ Ft of Width	Load Bar Width	Open Area	Load Bar Centers	Approximate Weight
12	0.48"	48%	1"	8.4 psf



Section Properties per Ft of Width: $A = 10.26 \text{ IN}^2$ $I = 3.4 \text{ IN}^4$ $S = 3.27 \text{ IN}^3$

Molded Grating Resins

Corrosion in the workplace negatively impacts your bottom line. Each year, industrial plant executives eliminate expensive corrosion-related maintenance problems by switching to Fibergrate® molded grating. Various applications present different requirements so Fibergrate offers numerous standard resin systems to address multiple needs.

Fibergrate® Standard Resins

Vi-Corr®: A superior vinyl ester resin developed for reliable performance in the toughest environments. It offers outstanding resistance to a wide range of highly corrosive situations, from caustic to acidic. In fact, no other resin system can match the performance of Vi-Corr in highly acidic environments. Vi-Corr has replaced VE-25. Color: orange or dark gray. Flame spread: ASTM E84 rating of 25 or less. Certifications: DNV Type Approval No. F-16856; ABS Type Approval No. 01-HS34733-X; meets the USCG requirements for general fire rating*.

FGI-AM®: This improved food-grade isophthalic polyester resin system offers antimicrobial properties to inhibit the growth of bacteria on the surface of the composite to protect the product itself, along with the necessary corrosion resistance to meet the requirements of the food and beverage industry. This product is intended only for non-public health uses. Color: light gray or green. Flame Spread: ASTM E84 rating of 25 or less. Certifications: USDA Approvable.

Corvex®: This 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. Color: yellow, dark gray, or dark green. Flame Spread: ASTM E84 rating of 25 or less. Certifications: DNV Type Approval No. F-16856; meets the USCG requirements for general fire rating*.

XFR: This eXtra Fire Retardant vinyl ester resin is recommended for use where the fire potential is high. Color: dark gray. Flame Spread: ASTM E84 rating of 10 or less, a level exceeded by no other resin system. Certifications: DNV Type Approval No. F-16856; meets the USCG requirements for general fire rating*.

ELS: This Extremely Low Smoke resin is an acrylic-modified polyester system that is ideal for tunnel, offshore, mass transit and other confined space applications. ELS exhibits low ignitability, low smoke generation and extremely low smoke toxicity. Color: dark gray. Flame Spread: ASTM E84: flame spread index of 25 or less, a smoke developed index of 100 or less and Fuel Contribution of 0. Certifications: DNV Type Approval No. F-16856; meets the USCG requirements for general fire rating*.

Super Vi-Corr®: This family of resin systems consists of more than 30 custom formulas engineered to provide corrosion control solutions in applications that are too severe for conventional FRP and other building materials. Each Super Vi-Corr resin was engineered for the best possible performance in specific chemical and/or elevated temperature environments. These systems exist for aggressive chemical service in reagents like solvents, acidic oxidizers, chlorine dioxide, sodium hypochlorite and liquid desiccants. Certain formulas are also suited for elevated temperature applications up to 400° F. Super Vi-Corr gratings are typically used for packing hold-downs and support in environmental and process scrubber applications. Color: natural - tan to beige. Flame Spread: non fire retardant, unless specified.

Specialty

Fibergrate also offers specialty resins custom designed to meet your specific needs. These special formulations are developed to address unique and demanding services and applications, as well as niche market needs (Super Vi-Corr family of resins).

We can engineer resin systems to address temperature, flame, smoke and toxicity requirements. Our HSUV resin system was developed to address the intense UV effects found in offshore applications. Fibergrate's custom formulations with low smoke/toxicity properties were engineered with the United States Navy for below-deck marine service.

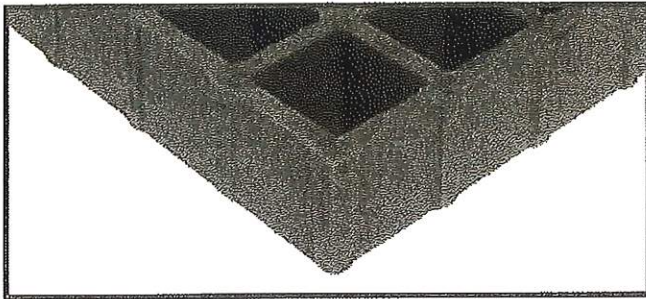
Architectural Formulations: Fibergrate's standard formulations are designed for industrial and corrosive applications. Special formulations and colors are required to meet the unique demands of architectural, fountain and pool projects. Please contact Fibergrate for additional information.

Molded Grating Surfaces and Options

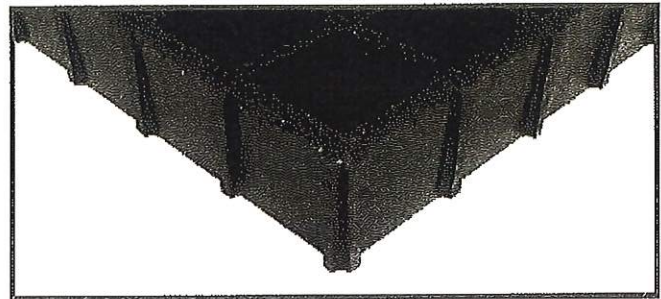
Slip Resistant Surfaces

Slips and falls are the second leading cause of industrial accidents. According to the National Safety Council, each injury related lost work day can cost \$50,000 to \$100,000. That is why Fibergrate developed two slip resistant surfaces for flooring and stair solutions. These surfaces include meniscus and integrally applied grit tops in the Fibergrate resins.

Available Surfaces for Molded Grating



Meniscus Top: The concave surface of Fibergrate® meniscus top grating provides superior slip resistant footing in most environments including wet or oily conditions. It is the standard surface for most Fibergrate molded gratings.



Integrally Applied Grit Top: The optional grip top of Fibergrate® grating has a quartz grit which is integrally applied, cured and sealed onto the surface providing excellent slip resistant footing.

Please note - The following molded grating panels are only available with the grit top surface (meniscus top not an option): 5/8" deep, 1"x4" rect. mesh, 12'x4' panel; 1" depth, 1"x4" rect. mesh, 12'x4' panel; 1-1/4" deep, 1-1/2" square mesh

Specialty Molded Products

FRP Conductive Surface: Fibergrate® Conductive Surface Grating properties are based on the requirements found in NEPA 77, Recommended Practice on Static Electricity, 2000 Edition. The specification values below are minimum values based upon the guidance of NEPA 77, and apply only when the product is clean and grounded. Fibergrate recommends a minimum of 4 grounding attachments at the corners of a section of grating.

- Average Surface Resistivity – 2.5×10^3 ohms to 1×10^6 ohms per lineal foot
- Average Resistance to Ground – $<10^8$ ohms

Fibergrate HF Molded Grating: Fibergrate has combined a premium-grade vinyl ester resin and exotic reinforcements to manufacture the only molded grating system suitable for service in harsh hydrofluoric acid applications. HF Molded Grating, a non fire retardant system, can see service in applications that would cause premature failure in most traditional molded grating systems.

NSF® Standard 61-Certified Molded Gratings: Fibergrate now manufactures NSF Standard 61-Certified grating. NSF formulated molded grating is available by special order in dark gray and light gray colors. Molded grating is also available in all of the molded grating mesh patterns and grating thicknesses, except Ecograte® and 4 x 12 Micro-Mesh® panels. Our NSF Standard 61-Certified structural shapes, handrails, ladders and pultruded components can be combined to create valuable, long-lasting stairways, walkways and platforms.

Custom Molded Products

Fibergrate has the capability to offer molded grating configurations designed/manufactured to meet your unique application requirements. Fibergrate's custom services include special molded grating configurations as well as custom hand-lay-up (HLU) products for industrial and architectural applications designed to meet your specific performance requirements.

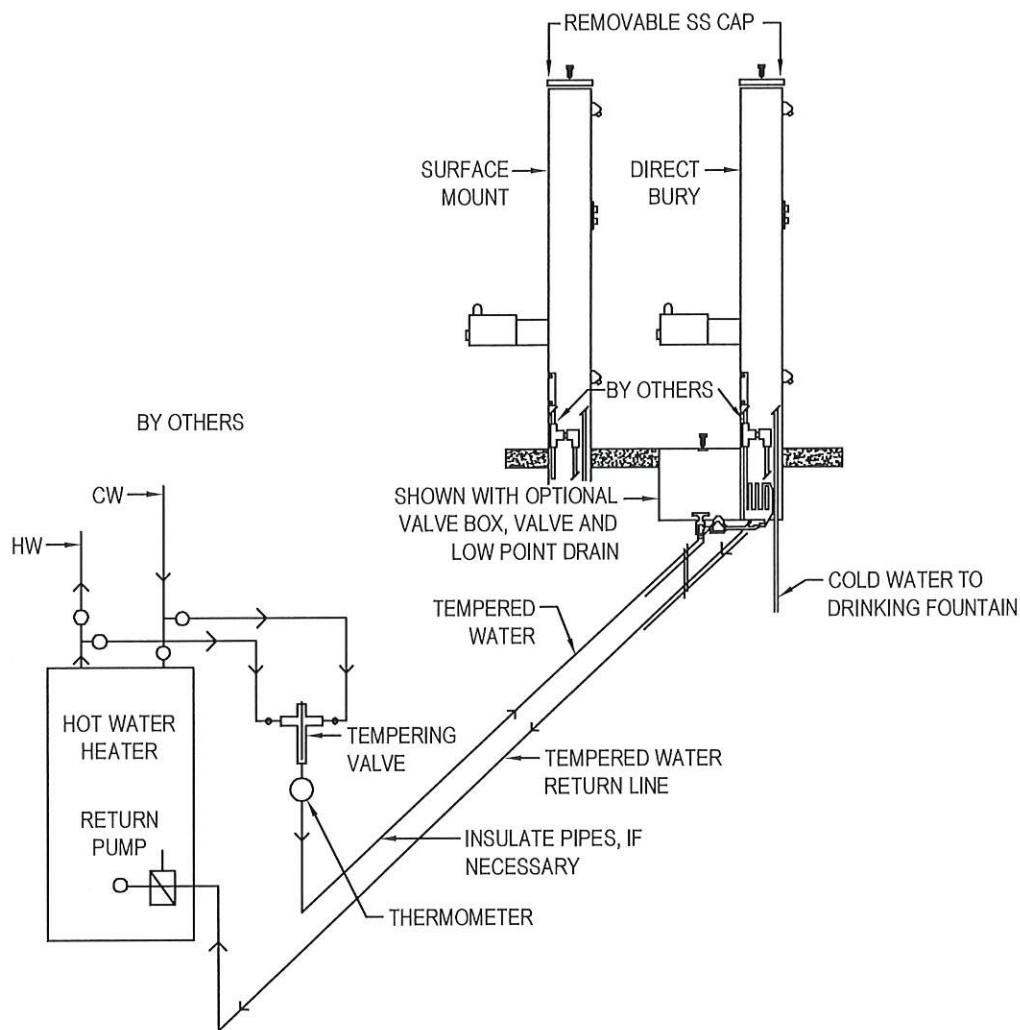
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**Most
Dependable
Fountains, Inc.**

OPERATIONS MANUAL

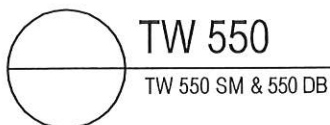
**MODEL:
TW 550 SM
& TW 550 SMSS**

Most Dependable Fountains, Inc™
5705 Commander Drive
Arlington, TN 38002
901-867-0039
www.mostdependable.com

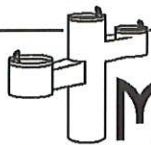


NOTES:

1. MDF RECOMMENDS THE USE OF A TEMPERING VALVE, WITH A RETURN WATERLINE, BACK TO THE HOT WATER HEATER, THRU A RETURN PUMP. MDF RECOMMEND THE VALVE TEMPERATURE BE SET AT 105° OR LOWER.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-10.32.



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FOOT & SHOWER TOWER SERIES SPECIFICATIONS

■ STANDARD PEDESTAL

One piece weld construction with MDF standard 3/16" wall thickness.

OR

■ STAINLESS STEEL PEDESTAL

One piece weld construction with MDF standard 304 schedule 10 stainless steel.

PUSH BAR

304 stainless steel with circumference exceeding 8.6". Mushroom style push bar overlaps and prevents sand and other objects from sticking push bar in the ON position. Stainless steel bubbler housing standard.

SPRAY HEADS

1.5 GPM at 60 PSI.

CONTROL VALVE

Requires less than 5 lbs to operate. This valve design is to operate and function at 30 to 80 PSI. Ideal operating pressure is 60 PSI.

WATER SUPPLY (LEAD FREE)

Maintenance free reinforced nylobraid tubing - **this tubing is not plastic**. It is supplied with a 1/2" MIP threaded inlet with stainless steel strainer. Union fittings at every connection. Supply line stops above grade.

INSTALLATION

Surface Mount installation, is designed to be anchored on top of a new or existing surface (concrete, etc.) For a new surface, a surface mount carrier is recommended. For an existing surface, anchor bolts are to be used through the attached mounting plate. Surface Mount Fountains come standard with an access door with vandal resistant stainless steel screws.

FINISH

Oven baked powder coat. Choice of colors are: □ green, □ blue, □ black, □ red, □ yellow, □ orange, □ brown and □ white. Textured color choices: □ emerald, □ sapphire, □ pyrite, □ text-black, □ burgundy, □ gold vein, □ copper and □ sandstone. Stainless steel models are powder coated for added protection. The color □ chrome is an available option for stainless steel models only.

WINTERIZATION

Shut off water and drain down.

WARRANTY

One year warranty, labor not included.

SHIPPING WEIGHT

Model 500 SM.....	100 lbs	Model 550 SM.....	170 lbs	Model 575 SM.....	155 lbs
Model 500 SMSS.....	100 lbs	Model 550 SMSS.....	170 lbs	Model 575 SMSS...	155 lbs
Model 500 WM.....	120 lbs	Model 564 SM.....	160 lbs	Model 580 SM.....	200 lbs
Model 500 WMSS...	120 lbs	Model 564 SMSS.....	160 lbs	Model 580 SMSS...	200 lbs
Model 525 SM.....	45 lbs	Model 565 SM.....	185 lbs	Model 590 SM.....	175 lbs
Model 525 SMSS.....	45 lbs	Model 565 SMSS.....	185 lbs	Model 590 SMSS...	175 lbs

Tempered Water:

Model TW 500 SM.....	100 lbs	Model TW 550 SM.....	170 lbs
Model TW 500 SMSS..	100 lbs	Model TW 550 SMSS..	170 lbs

Above specifications apply with these notes:

Model 500 - One shower & one foot spray.

Model 525 - Foot Tower: one head only.

Model 550 - One shower, one foot spray & accessible drinking fountain.

Model 552 - One shower, one foot spray with both high & low ADA drinking fountains.

Model 564 - Accessible shower with one metered head at 72" & a foot wash on one side & one metered accessible head at 49" on back side, with 2 grab bars.

Model 565 - Accessible shower with one metered head at 72", one metered head at 49" & a non-metered foot wash (on same side) with 2 grab bars.

Model 575 - Dual (back to back) shower & foot spray heads.

Model 580 - One shower, one foot spray & trough style accessible drinking fountain.

Model 590 - Four shower heads & one foot spray.

Model 500-8 - Denotes custom: call for more information.

MOST DEPENDABLE FOUNTAINS, INC.™

5705 COMMANDER DR. • ARLINGTON, TN 38002-0587

www.mostdependable.com

(901) 867-0039



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INSTALLATION INSTRUCTIONS

Most Dependable Fountains, Inc.™

All **SM (surface mount)** products are designed to be installed on the surface of a new or existing concrete slab. Your contractor needs to provide a 1 ½" PVC drain line (**when applicable**) and water line thru finish grade. Connections are made to our SM products thru our access door, as shown on detail drawings. The water tubing is provided with a ½" male iron pipe connection. This is an excellent location for a cutoff valve. Surface Mount units are anchored to the existing concrete by means of ½" concrete shields with bolts or we recommend ½" quick bolts.

Note: We offer an optional template which is designed to be poured in the concrete slab. It comes with the necessary vandal resistant stainless steel bolts and washers needed to anchor.

All **DB (direct bury)** products are designed to be installed to a depth of 14" below grade. MDF provides 1 ½" PVC drain line inside the pedestal (**when applicable**) to point of connection by others. MDF also provides reinforced nylobraid flexible tubing with a ½" male iron pipe thread for connection to water supply by others. MDF recommends an optional valve box using a PVC conduit to the pedestal. By using this option you have complete control of your product.

Individual detail drawings available Online or by request.



For more information:
Most Dependable Fountains, Inc.™
www.mostdependable.com
Info@mostdependable.com
901-867-0039

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LIMITED PRODUCT WARRANTY

Most Dependable Fountains, Inc.TM

Most Dependable Fountains, Inc.TM warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from date of shipment**. Most Dependable Fountains, Inc.TM liability under this warranty shall be discharged by furnishing without charge any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first class workmanship. Most Dependable Fountains, Inc.TM will not be liable for the cost of repairs, alterations or replacements, or for any expense connected therewith made by the owner or his agents. Most Dependable Fountains, Inc.TM will not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that Most Dependable Fountains, Inc.TM has made no other warranties either expressed or implied in addition to those above stated. The products manufactured by Most Dependable Fountains, Inc.TM is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended.

