

FRP Grating



Hebei Sinta Trading Co., Ltd.

Hebei Sinta Trading Co., Ltd. established in 2011, more than nine years, we pay more attention of advantage of industry leading and sincere service, and high quality products.

Hebei Sinta FRP Trading Co., Ltd is committed to excellent image and industry recognition, more bring tens of thousands of partners.

We'll make unremitting efforts to improve the quality of our products relentlessly and make them better and better, to won the favor of the majority of customers.

About us



FRP - Molded Grating

Fiberglass grating is produced by glass fiber braiding, casting resin integral moulding, with many regular distributions of the rectangular and square space of glass fiber reinforced plastic grille plate, has two-way mechanics.

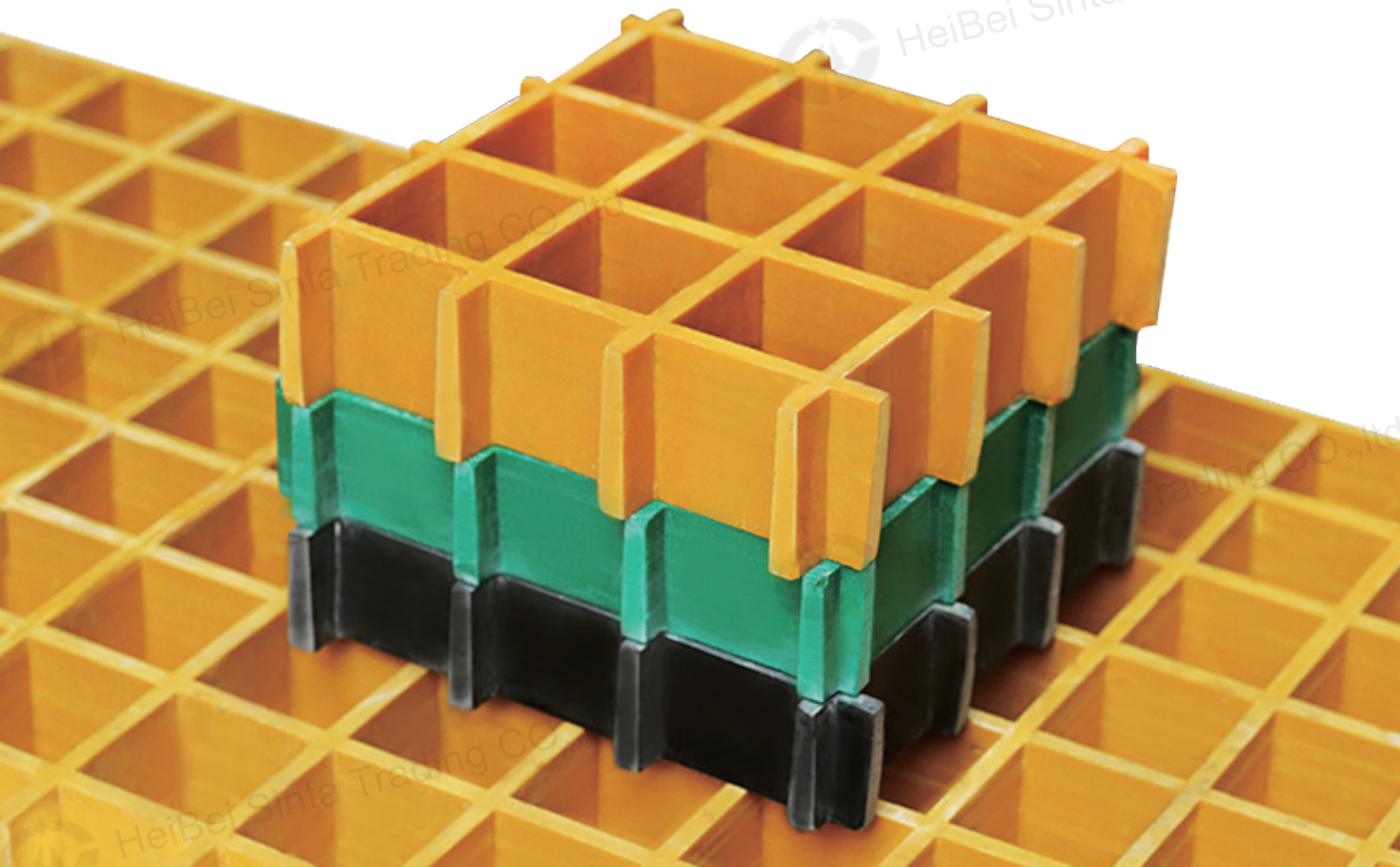
Molded grating process:

Molded grating is manufactured by laying continuous glass fibres in the mould in the direction of vertical and horizontal, and thoroughly wetted out with resin, layer by layer. When the weaving process is completed, the mould is heated to cure the panel. After curing, the panel is ejected from the mould. The standard panel would have meniscus (concave) top surface. Any process such as post applied grit could be bonded after as a secondary operation. This continuous process produces an integral, one piece panel, which offers excellent corrosion resistance as well as bi-directional strength.



Excellent properties

- It is resistant to corrosion by a variety of chemical media, never rusts, has a long service life and is free of maintenance.
- Flame retardant. The company's specially designed formula meets the fire protection requirements of the project to ensure safety.
- Insulated, flame-retardant, non-magnetic.
- Uniform color inside and outside, and color can be arbitrarily chosen. Can customize the color according to customer requirements.
- It is highly configurable, flexible in size and dimensionally stable. Customized products are available upon request.



FRP Molded Grating

Resin system

Resin type selection

Resin Type	Resin Base	Description	Corrosion Resistance	Flame Spread Rating ASTM E84	Available colors	Max Oper. Temp.
Type VEFR-20	Vinyl Ester	Superior Corrosion Resistance and Fire Retardant	Excellent	Class 1, 20 or less	Dark Gray, Orange	230oF
Type IFR-25	Isophthalic Polyester	Industrial Grade Corrosion Resistance and Fire Retardant	Good	Class 1, 25 or less	Dark Gray, Green	221oF
Type FG-20	Isophthalic Polyester	Food Grade Corrosion Resistance and Fire Retardant	Good	Class 1, 20 or less	Light Gray, Light Green	221oF
Type CFR-25	Orthophthalic Polyester	Moderate Corrosion Resistance and Fire Retardant	Normal	Class 1, 25 or less	Green Yellow Light Gray Dark Gray	212oF
Type MP-4	Phenolic	Low Smoke and Superior Fire Resistance	Good	Class 1, 5 or less	Reddish-Brown	356oF
Type IFR-10	Isophthalic Polyester	Industrial Grade Corrosion Resistance and Extra Fire Retardant	Good	Class 1, 10 or less	Custom	221oF

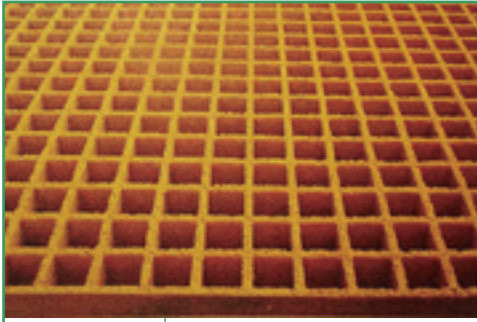
The type of fiberglass coarse sand selected

Coarse sand model	Coarse sand type	Recommended use
E	Alkali-free coarse sand	It is used in applications with high strength requirements and high corrosion resistance.
C	Medium alkali coarse sand	Cheaper than E, but low strength and good acid resistance.

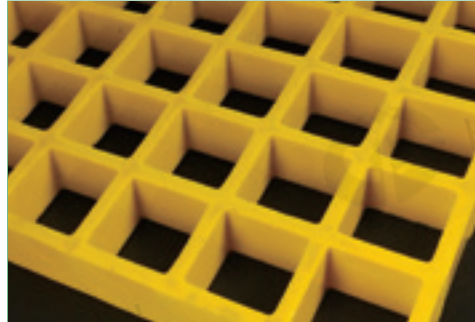
The type of packing selected

Packing model	Packing type	Recommended use
ATH	Aluminum hydroxide	IFlame retardant, smoke suppression, corrosion resistant occasions
CAO	Calcium carbonate	Cheaper than ATH, No flame retardant requirements
PR	No filler, pure resin	For high corrosion resistance

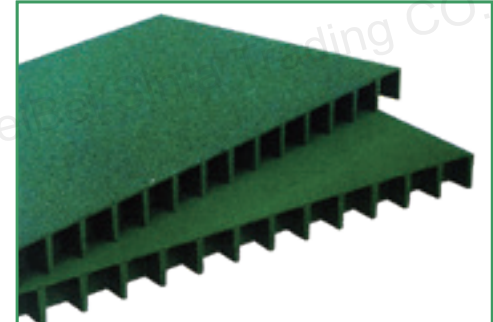
Eight different product surfaces



model	S-EG
Surface type	In-mold sanding
advantage	Excellent anti-slip performance



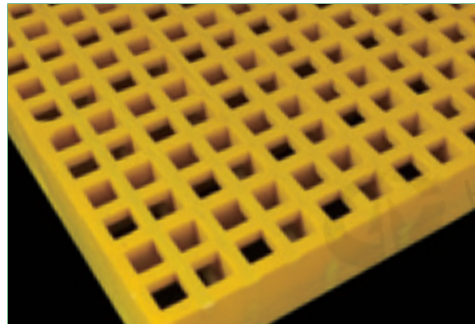
model	S-S
Surface type	Smooth surface
advantage	General anti-slip



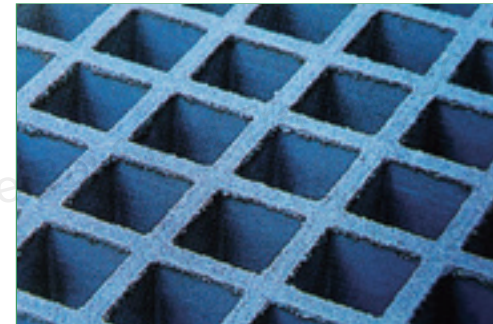
model	S-Cover
Surface type	Gritted top cover
advantage	It can prevent liquid dripping and volatilization of gas and smoke.



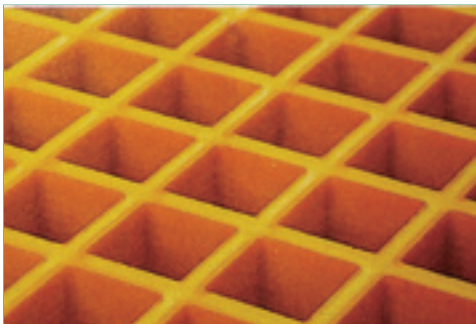
model	S-D
Surface type	Diamond top cover
advantage	Excellent anti-slip performance



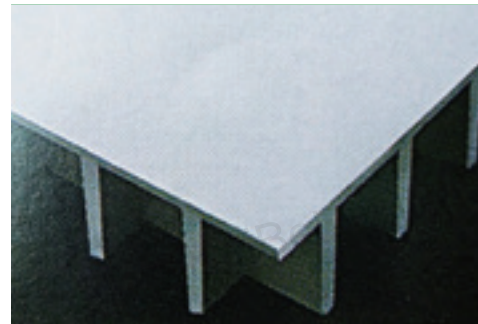
model	S-Mini
Surface type	Mini mesh surface
advantage	Prevent gadgets, small objects and keys from falling.



model	S-G
Surface type	Outer membrane sanding
advantage	Excellent anti-slip performance.



model	S-C
Surface type	Concave surface
advantage	General anti-slip



model	S-CS
Surface type	Smooth top cover
advantage	It can prevent liquid dripping and volatilization of gas and smoke.



FRP

Molded Grating detail size

NO:001 Mesh Size:38×38 H13

Model	Top view	Example
XTSM38×38-H13		
Bar Thickness		
6.0/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
78%		
Weight(kg/m ²)		
6.00kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050		

NO:002 Mesh Size:38×38 H15 Italic square

Model	Top view	Example
XTSM38×38-H15		
Bar Thickness		
6.5/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
78%		
Weight(kg/m ²)		
7.00kg/m ²		
Two-way force		
Panel Size(mm):1218×4100		

NO:003 Mesh Size:38×38 H20

Model	Top view	Example
XTSM38×38-H20		
Bar Thickness		
6.0/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)		
65%		
Weight(kg/m ²)		
9.80kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050		

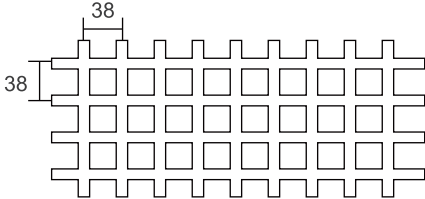

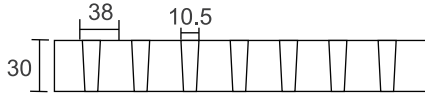
NO:004 Mesh Size:38×38 H25

Model	Top view	Example
XTSM38×38-H25		
Bar Thickness		
6.4/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)		
68%		
Weight(kg/m ²)		
12.30kg/m ²		
Two-way force		
● This specification can produce phenolic grid Panel Size(mm):1524×4000,1220×4000,1220×3660,1220×2440,915×3050		

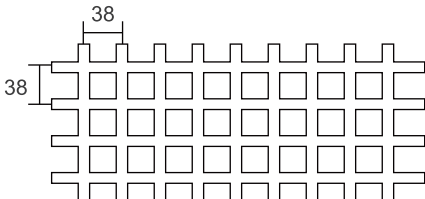

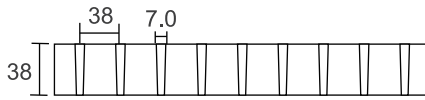
NO:005 Mesh Size:38×38 H30

Model	Top view	Example
XTSM38×38-H30		
Bar Thickness		
6.5/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)		
68%		
Weight(kg/m ²)		
14.60kg/m ²		
Two-way force		
Panel Size(mm):1524×4000,1220×4000,1220×3660,1220×2440,915×3050		

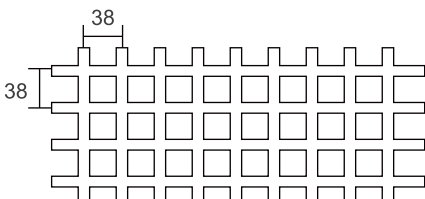

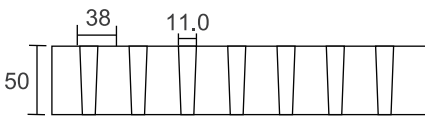
NO:006 Mesh Size:38×38 H30 Heavy-duty type

Model	Top view	Example
XTSM38×38-H30		
Bar Thickness		
10.5/9.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
58%		
Weight(kg/m ²)		
25.00kg/m ²		
Two-way force		
Panel Size(mm):1220×3660,1220×2440,915×3050		

NO:007 Mesh Size:38×38 H38

Model	Top view	Example
XTSM38×38-H38		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
68%		
Weight(kg/m ²)		
19.50kg/m ²		
Two-way force		
Panel Size(mm):1524×4000,1524×3050,1220×4000,1220×3660,1220×2440,915×3050		

NO:008 Mesh Size:38×38 H50

Model	Top view	Example
XTSM38×38-H50		
Bar Thickness		
11.0/9.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
56%		
Weight(kg/m ²)		
42.00kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050		

NO:009 Mesh Size: 38×38 H60 Heavy-duty type

Model	Top view	Example
XTSM38×38-H60		
Bar Thickness 11.5/9.0mm		
Bar center spacing 38mm		
Open Rate(%)		
Weight(kg/m ²) 50.40kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050		

NO:010 Mesh Size: 40×40 H25

Model	Top view	Example
XTSM40×40-H25		
Bar Thickness 7.0/5.0mm		
Bar center spacing 40mm		
Open Rate(%)		
Weight(kg/m ²) 12.30kg/m ²		
Two-way force		
Panel Size(mm):1247×4047,1007×4047,1007×3007		

NO:011 Mesh Size: 40×40 H30

Model	Top view	Example
XTSM40×40-H30		
Bar Thickness 7.0/5.0mm		
Bar center spacing 40mm		
Open Rate(%)		
Weight(kg/m ²) 14.60kg/m ²		
Two-way force		
Panel Size(mm):1247×4047,1007×4047,1007×3007		

NO:012 Mesh Size:40×40 H40

Model	Top view	Example
XTSM40×40-H40		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
40mm		
Open Rate(%)	Main view	
67%		
Weight(kg/m ²)		
19.20kg/m ²		
Two-way force		
Panel Size(mm):1247×4047,1007×4047,1007×3007		

NO:013 Mesh Size:50×50 H13

Model	Top view	Example
XTSM50×50-H13		
Bar Thickness		
6.0/5.0mm		
Bar center spacing		
50mm		
Open Rate(%)	Main view	
82%		
Weight(kg/m ²)		
4.80kg/m ²		
Two-way force		
Panel Size(mm):1906×4012		

NO:014 Mesh Size:50×50 H25

Model	Top view	Example
XTSM50×50-H25		
Bar Thickness		
7.5/6.0mm		
Bar center spacing		
50mm		
Open Rate(%)	Main view	
78%		
Weight(kg/m ²)		
11.50kg/m ²		
Two-way force		
Panel Size(mm):1220×3660,1220×2440,915×3050		

NO:015 Mesh Size:50×50 H40

Model	Top view	Example
XTSM50×50-H40		
Bar Thickness 6.8/5.0mm		
Bar center spacing 50mm		
Open Rate(%) 80%	<p style="text-align: center;">Main view</p>	
Weight(kg/m ²) 15.82kg/m ²		
Two-way force		
Panel Size(mm):1788×4531,1225×5035		

NO:016 Mesh Size:50×50 H50

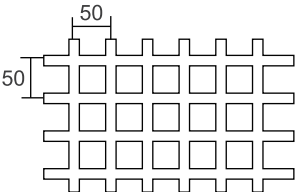

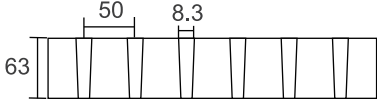
Model	Top view	Example
XTSM50×50-H50		
Bar Thickness 7.0/5.0mm		
Bar center spacing 50mm		
Open Rate(%) 78%	<p style="text-align: center;">Main view</p>	
Weight(kg/m ²) 21.30kg/m ²		
Two-way force		
Panel Size(mm):1788×4531		

NO:017 Mesh Size:50×50 H50

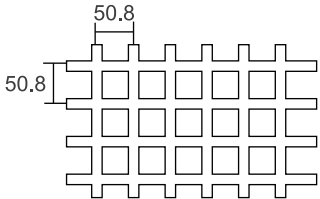
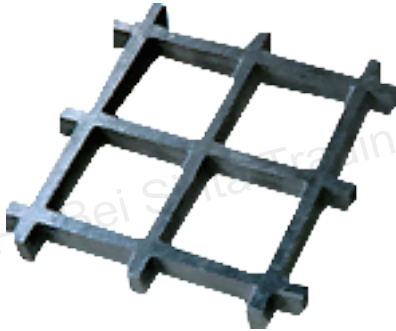
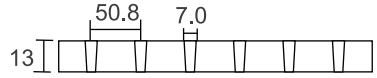
Model	Top view	Example
XTSM50×50-H50-2		
Bar Thickness 8.0/6.0mm		
Bar center spacing 50mm		
Open Rate(%) 78%	<p style="text-align: center;">Main view</p>	
Weight(kg/m ²) 23.70kg/m ²		
Two-way force		
Panel Size(mm):1800×4000,1524×4000,1220×3660,1220×2440,915×3050		

● This specification can produce phenolic grid

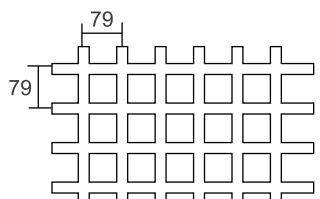
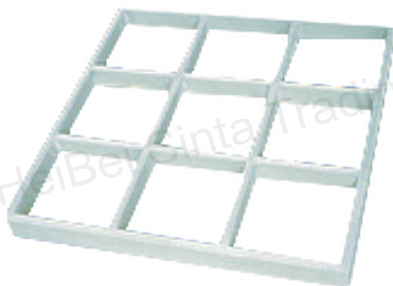
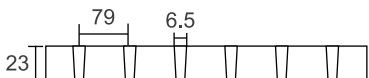
NO:018 Mesh Size:50×50 H63

Model	Top view	Example
XTSM50×50-H63		
Bar Thickness		
8.3/6.0mm		
Bar center spacing		
50mm		
Open Rate(%)	Main view	
78%		
Weight(kg/m ²)		
28.80kg/m ²		
Two-way force		
Panel Size(mm):1225×4000,1225×3660,1225×2440,915×3050		

NO:019 Mesh Size:50.8×50.8 H13

Model	Top view	Example
XTSM50.8×50.8-H13		
Bar Thickness		
7.0/6.0mm		
Bar center spacing		
50.8mm		
Open Rate(%)	Main view	
82%		
Weight(kg/m ²)		
5.80kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050		

NO:020 Mesh Size:79×79 H23

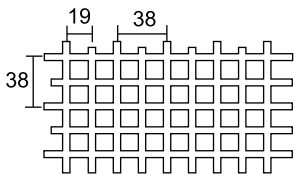

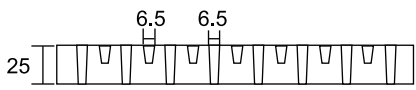
Model	Top view	Example
XTSM79×79-H23		
Bar Thickness		
6.5/5.0mm		
Bar center spacing		
79mm		
Open Rate(%)	Main view	
80%		
Weight(kg/m ²)		
5.70kg/m ²		
Two-way force		
Panel Size(mm):405×3569		

NO:021 Mesh Size:83×83 H25		
Model	Top view	Example
XTSM83×83-H25		
Bar Thickness 7.0/5.0mm		
Bar center spacing 83mm		
Open Rate(%) 84%		
Weight(kg/m ²) 5.80kg/m ²		
Two-way force		
Panel Size(mm):1007×4007,1007×3007		

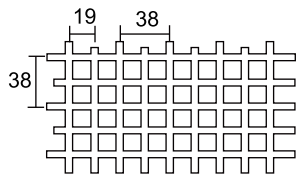

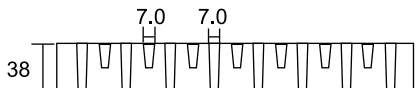
NO:022 Mesh Size:83×83 H40		
Model	Top view	Example
XTSM83×83-H40		
Bar Thickness 7.0/5.0mm		
Bar center spacing 83mm		
Open Rate(%) 84%		
Weight(kg/m ²) 9.50kg/m ²		
Two-way force		
Panel Size(mm):1007×4007,1007×3007		

NO:023 Mesh Size:38×38/12.7×12.7 H30 Mini mesh		
Model	Top view	Example
XTSM38-12.7-H30		
Bar Thickness 7.5&4.5/6.0mm		
Bar center spacing 12.7mm		
Open Rate(%) 30%		
Weight(kg/m ²) 22.00kg/m ²		
Two-way force		
Panel Size(mm):1220×3660,1220×2440,915×3050 Double layer		

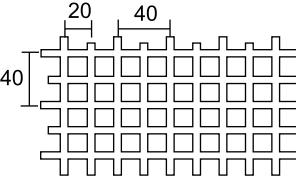
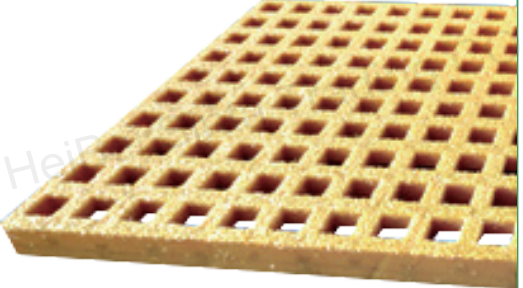
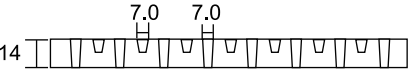
NO:024 Mesh Size:38×38/19×19 H25 Mini mesh

Model	Top view	Example
XTSM38-19-H25		
Bar Thickness		
6.5/5.0mm		
Bar center spacing		
19mm		
Open Rate(%)	Main view	
40%		
Weight(kg/m ²)		
16.80kg/m ²		
Two-way force		
Panel Size(mm):1220×4000,1220×3660,1220×2440,915×3050 Double layer		

NO:025 Mesh Size:38×38/19×19 H38 Mini mesh

Model	Top view	Example
XTSM38-19-H38		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
19mm		
Open Rate(%)	Main view	
40%		
Weight(kg/m ²)		
23.50kg/m ²		
Two-way force ● This specification can produce phenolic grid		
Panel Size(mm):1524×4000,1220×3660,1220×2440,915×3050 Double layer		

NO:026 Mesh Size:40×40/20×20 H14 Mini mesh

Model	Top view	Example
XTSM40-20-H14		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
20mm		
Open Rate(%)	Main view	
42%		
Weight(kg/m ²)		
10.50kg/m ²		
Two-way force		
Panel Size(mm):1247×4047,1007×3007 Double layer		

NO:027 Mesh Size:40×40/20×20 H30 Mini mesh

Model	Top view	Example
XTSM40-20-H30		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
20mm		
Open Rate(%)		
42%		
Weight(kg/m ²)		
18.00kg/m ²		
Two-way force		
Panel Size(mm):1007×4047,1007×3007 Double layer		

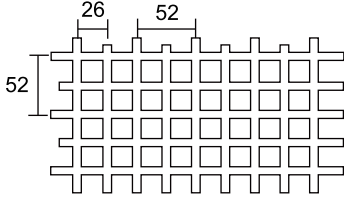


NO:028 Mesh Size:40×40/20×20 H40 Mini mesh

Model	Top view	Example
XTSM40-20-H40		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
20mm		
Open Rate(%)		
42%		
Weight(kg/m ²)		
23.70kg/m ²		
Two-way force		
Panel Size(mm):1007×4047,1007×3007 Double layer		

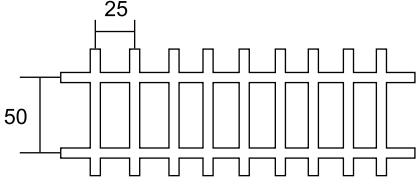


NO:029 Mesh Size:50×50/25×25 H50 Mini mesh

Model	Top view	Example
XTSM50-25-H50		
Bar Thickness		
8.0/6.0mm		
Bar center spacing		
25mm		
Open Rate(%)		
55%		
Weight(kg/m ²)		
28.50kg/m ²		
Two-way force		
Panel Size(mm):1524×4000 Double layer		

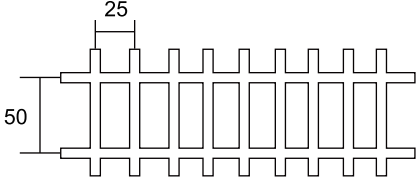

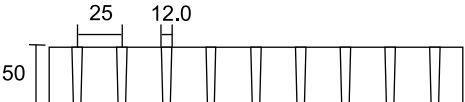
NO:030 Mesh Size:52×52/26×26 H38 Mini mesh

Model	Top view	Example
XTSM52-26-H38		
Bar Thickness		
6.0/5.0mm		
Bar center spacing		
25mm		
Open Rate(%)	Main view	
60%		
Weight(kg/m ²)		
19.50kg/m ²		
Two-way force		
Panel Size(mm):1150×4011 Double layer		

NO:031 Mesh Size:25×50 H38 Heavy-duty type

Model	Top view	Example
XTRM25×50-H38		
Bar Thickness		
11.0/9.0mm		
Bar center spacing		
25mm		
Open Rate(%)	Main view	
48%		
Weight(kg/m ²)		
30.30kg/m ²		
Length force		
Panel Size(mm):1220×3660		

NO:032 Mesh Size:25×50 H50 Heavy-duty type

Model	Top view	Example
XTRM25x50-H50		
Bar Thickness		
12.0/9.0mm		
Bar center spacing		
25mm		
Open Rate(%)	Main view	
48%		
Weight(kg/m ²)		
41.00kg/m ²		
Length force		
Panel Size(mm):1220×3660		

NO:033 Mesh Size:25x100 H25			
Model	Top view	Example	
XTRM25X100-H25			
Bar Thickness			6.0/5.0mm
Bar center spacing	25mm		
Open Rate(%)	Main view		
67%			
Weight(kg/m ²)			13.83kg/m ²
Length force, width force			
Panel Size(mm):1220X3660			

NO:034 Mesh Size:25x100 H25 Heavy-duty type			
Model	Top view	Example	
XTRM25X100-H25			
Bar Thickness			9.5/8.0mm
Bar center spacing	25mm		
Open Rate(%)	Main view		
52%			
Weight(kg/m ²)			19.50kg/m ²
Width force			
Panel Size(mm):1220X3660,1220x2440,915x3050			

NO:035 Mesh Size:25x100 H30			
Model	Top view	Example	
XTRM25X100-H30			
Bar Thickness			7.0/5.5mm
Bar center spacing	25mm		
Open Rate(%)	Main view		
67%			
Weight(kg/m ²)			15.60kg/m ²
Width force			
Panel Size(mm):1007x3007			

NO:036 Mesh Size:25×100 H38

Model	Top view	Example
XTRM25X100-H38		
Bar Thickness		
8.0/6.0mm		
Bar center spacing		
25mm		
Open Rate(%)		
62%		
Weight(kg/m ²)		
22.50kg/m ²		
Width force		
Panel Size(mm):1220×3660		

NO:037 Mesh Size:38×100 H38

Model	Top view	Example
XTRM38×100-H38		
Bar Thickness		
8.0/6.0mm		
Bar center spacing		
38mm		
Open Rate(%)		
65%		
Weight(kg/m ²)		
16.40kg/m ²		
Length force		
Panel Size(mm):1220×3660,1220×2440,915×3050		

NO:038 Mesh Size:25×152 H38

Model	Top view	Example
XTRM25x152-H38		
Bar Thickness		
9.0/6.5mm		
Bar center spacing		
25mm		
Open Rate(%)		
63%		
Weight(kg/m ²)		
22.50kg/m ²		
Length force		
Panel Size(mm):1220×3660,1220×2440,915×3050		

NO:039 Mesh Size:38x152 H38			
Model	Top view	Example	
XTRM38X152-H38			
Bar Thickness			8.0/6.0mm
Bar center spacing	38mm		
Open Rate(%)	Main view		
67%			
Weight(kg/m ²)			15.92kg/m ²
Length force			
Panel Size(mm):1220×3660,1220×2440,915×3050			

NO:040 Mesh Size:38x152 H38 T type			
Model	Top view	Example	
XTRM38X152-H38			
Bar Thickness			15.0/8.0mm
Bar center spacing	38mm		
Open Rate(%)	Main view		
62%			
Weight(kg/m ²)			18.60kg/m ²
Length force			● This specification can produce phenolic grid
Panel Size(mm):1220X3660			

NO:041 Mesh Size:60x220 H40			
Model	Top view	Example	
XTRM60X220-H40			
Bar Thickness			6.3/5.0mm
Bar center spacing	60mm		
Open Rate(%)	Main view		
67%			
Weight(kg/m ²)			8.80kg/m ²
Length force			
Panel Size(mm):1788x2238			

NO:042 Mesh Size:38×100 H50 Anti-pultrusion type

Model	Top view	Example
XTRM38X100-H50		
Bar Thickness		
8.0/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
62%		
Weight(kg/m ²)		
15.30kg/m ²		
Length force		
Panel Size(mm):1220×3660		

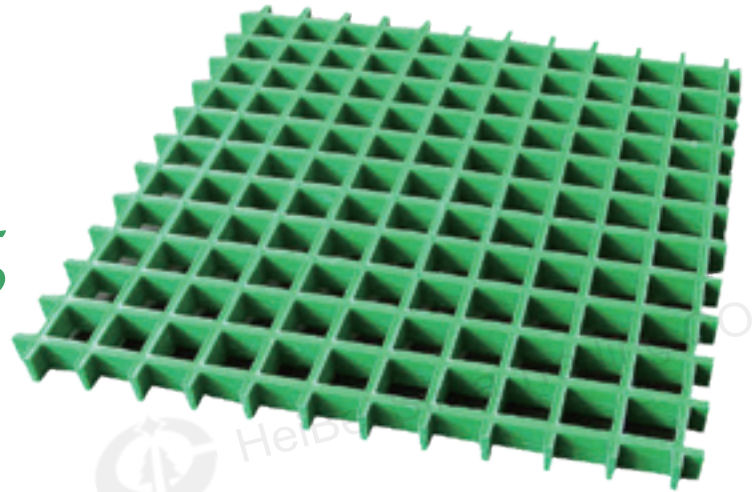
NO:043 Mesh Size:25×152 H38 Stair tread

Model	Top view	Example
XTRM25×152-H38		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
25mm		
Open Rate(%)	Main view	
62%		
Weight(kg/m ²)		
23.10kg/m ²		
Two-way force		
Panel Size(mm):565×3050		

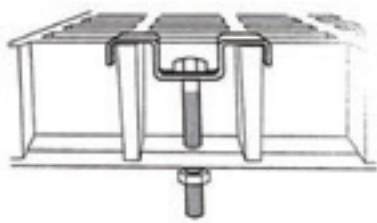
NO:044 Mesh Size:38×152 H38 Stair tread

Model	Top view	Example
XTRM38x152-H38		
Bar Thickness		
7.0/5.0mm		
Bar center spacing		
38mm		
Open Rate(%)	Main view	
65%		
Weight(kg/m ²)		
17.00kg/m ²		
Two-way force		
Panel Size(mm):580×3660,610×3660		

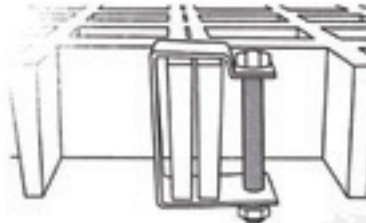
FRP Molded Grating clips



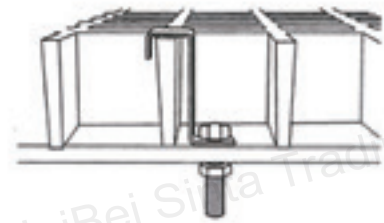
Installation- where possible, provide for a minimum of 40mm of bearing support at all grating support points. Hold down clips should be used at the rate of one clips for every 0.5m² of grating minimum, or at least 4 clips for any square or rectangular piece, or at least 3 for triangle piece. The following are our grating clips types:



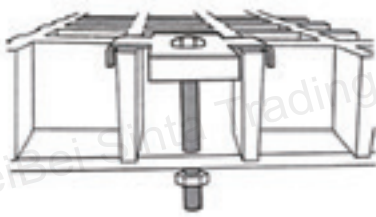
M 型



C 型



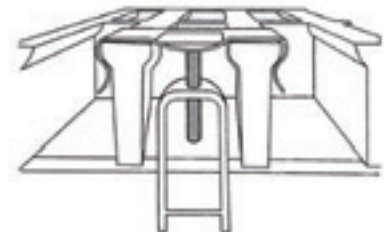
L 型



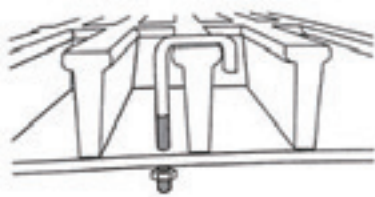
Pawl 型



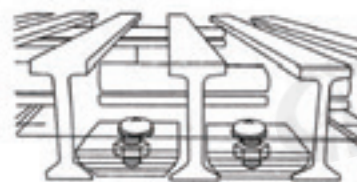
G 型



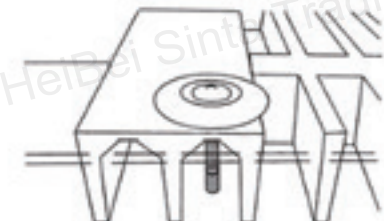
CSSM 型



J 型



T 型



W 型

Our factory



Certificates





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