

Resin Saystem

Resin base

| Resin type | Resin base | Description | Corrosion resistance | Flame spread Rating ASTM E84 | Colors available |
|------------|-----------------------|--|----------------------|------------------------------|---|
| VEFR-25 | Vinyl ester | Supiorior corrosion resistance and retardant | Excellent | Class 1, 25 or less | Dark gray, orange |
| VEFR-10 | Vinyl ester | Supiorior corrosion resistance and enhanced retardant | Excellent | Class 1, 10 or less | Dark gray |
| IFR-25 | Vinyl ester | Industrial grade corrosion resistance and fire retardant | Very good | Class 1, 25 or less | Dark gray, Green |
| IFR-10 | Isophthalic polyester | Industrial grade corrosion resistance and extra fire retardant | Very good | Class 1, 10 or less | custom |
| IFGR-30 | Isophthalic polyester | Food grade corrosion resistance and fire retardant | Very good | Class 1, 25 or less | Light gray, light green |
| OFR-25 | Ortho | Moderate corrosion resistance and fire retardant | Moderate | Class 1, 25 or less | Green, yellow light gray, dark gray |
| MP-5 | Phenolic resin | Low smoke and superior fire resistance | Very good | Class 1, 5 or less | Reddish-brown, phenolic painting of the grating can be performed to obtain a gray or red finish |
| O-CR | Ortho | Moderate corrosion resistance | Moderate | No | Green, yellow light gray, dark gray |

Fiberglass roving yarn

The fiberglass roving yarn in our company is bought from JUSHI GROUP with high quality. There are two kinds of fiberglass roving yarn in our company, which are C-Glass Assembled Rovings and E-Glass Direct Rovings.

C-Glass Assembled Rovings are designed to reinforce unsaturated polyester, vinyl ester, phenolic, polyurethane and epoxy resins.

E-Glass Direct Rovings for LFT are designed for reinforcing PP and PA resins.



Molded gratings

Rel Molded Gratings

Rel Molded grating is manufactured in an open, heated mold system. Continuous E-glass roving's are placed in the mold in alternating layers and completely wetted out with resin. This continuous process produces an integral, one piece construction which provides excellent corrosion resistance as well as bi-directional strength. There are a number of different molds available resulting in a extensive range of panel sizes, thickness and mesh patterns.

Industries

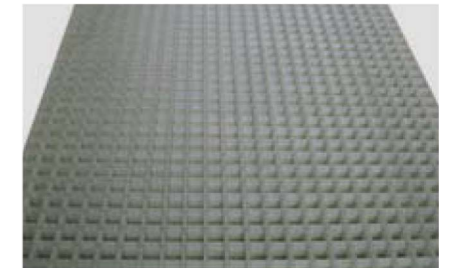
- Chemical plant and metal finishing;
- Construction engineering, traffic and transportation
- Petrochemical engineering, ocean survey, water engineering
- Food and beverage plants
- Textile printing and dyeing and electronic industry

Functions:

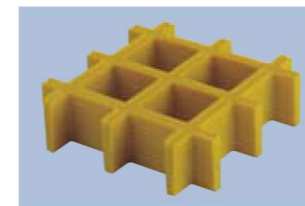
- Anti-slip floor, stair tread, foot bridge
- Operation platform, trench cover
- Security and safety fence, handrail
- Off-shore oil rig, moor shipyard, shipping deck, ceiling
- Ramp ladder, scaffold, railway footpath
- Decorative grid, man-made fountain pool grid
- Non-conductive and non-magnetic

Advantages:

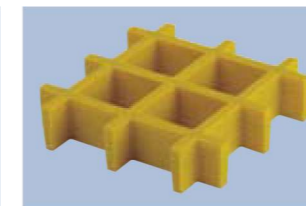
- Anti-fire
- Anti-corrosion and anti-aging
- Anti-slippery
- Light but high loaded strength
- Long service life and maintenance free
- Non-conduction or magnetic
- Easy installation and rich colors
- various sizes and colors available



Surfaces



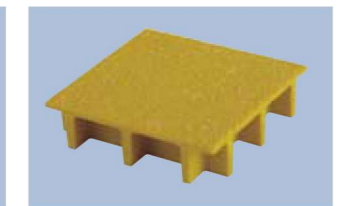
Concave Surface



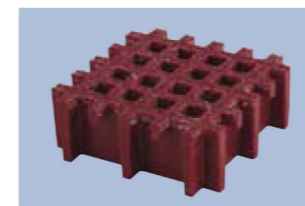
Smooth Surface



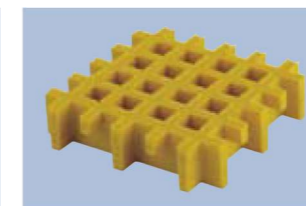
Diamond Top Cover



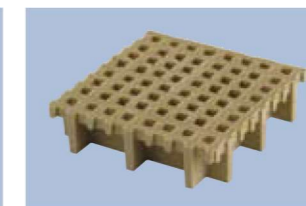
Gritted top Cover



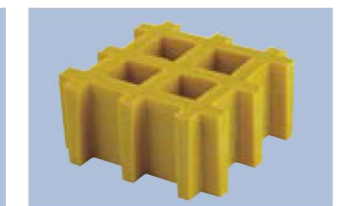
Gritted Surface



Mini mesh Surface



Micro mesh surface

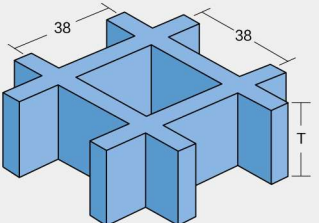


Heavy duty

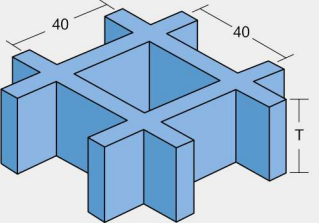
Reil Molded grating in details

(Thickness-T)

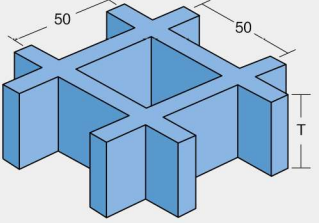
38 x 38

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|--|-----------------------------|---------------|
|  | 13 | 6.0/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4000, 1220 x 2440, 915 x 3050, 1268 x 4010 | 6.0 | 78 |
| | 14 | 6.0/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4000, 1220 x 2440, 915 x 3050, 1268 x 4010 | 6.5 | 78 |
| | 20 | 6.0/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4000, 1524 x 4010, 997 x 3012 | 9.8 | 65 |
| | 25 | 6.5/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4010, 1524 x 4010, 915 x 3050, 1524 x 4000, 997 x 3012 | 12.3 | 68 |
| | 30 | 6.5/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4010, 1524 x 4026, 915 x 3050, 1524 x 4000 | 14.6 | 68 |
| | 38 | 7.0/5.0 | 38 x 38 | 1220 x 3660, 1220 x 4000, 1220 x 2440, 915 x 3050, 1524 x 4000, 1524 x 3050, 1000 x 4000 | 19.5 | 68 |
| | 50 | 11.0/9.0 heavy duty | 38 x 38 | 1220 x 4010, 1220 x 3660, 1220 x 2440, 915 x 3050 | 42 | 56 |
| | 60 | 10.5/9.0 heavy duty | 38 x 38 | 1220 x 4010, 1220 x 3660, 1220 x 2440, 1232 x 4014, 915 x 3050 | 50.4 | 54 |
| | 70 | 11.5/9.0 heavy duty | 38 x 38 | 1230 x 4010 | 58.8 | 49 |

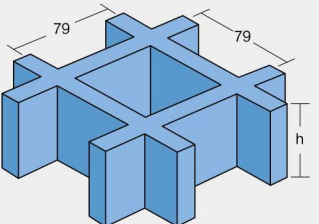
40 x 40

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|--|-----------------------------|---------------|
|  | 25 | 7.0/5.0 | 40 x 40 | 1007 x 3007, 1007 x 4047, 1527 x 4047 | 12.3 | 67 |
| | 30 | 7.0/5.0 | 40 x 40 | 1527 x 4047, 1007 x 3007, 1007 x 4047 | 14.6 | 67 |
| | 38 | 7.0/5.0 | 40 x 40 | 1527 x 4047, 1247 x 4047, 1007 x 3007, 1007 x 4047 | 19.2 | 67 |
| | 40 | 7.0/5.0 | 40 x 40 | 1247 x 4047, 1007 x 3007, 1007 x 4047 | 19.5 | 67 |

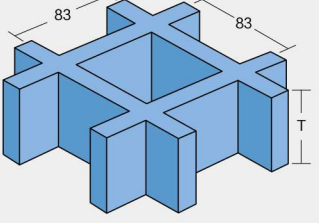
50 x 50

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|---|-----------------------------|---------------|
|  | 15 | 6.0/5.0 | 50 x 50 | 1220 x 4000, 1220 x 3660, 1220 x 2440 | 5.9 | 82 |
| | 40 | 6.8/5.0 | 50 x 50 | 1778 x 4531, 1225 x 4531 | 18.2 | 80 |
| | 25 | 7.0/6.0 | 50 x 50 | 1220 x 3660, 1220 x 2440, 915 x 3050 | 11.5 | 78 |
| | 50 | 8.0/6.0 | 50 x 50 | 1524 x 4000, 1220 x 3660, 1220 x 2440, 915 x 3050 | 23.7 | 78 |
| | 63 | 8.3/6.0 | 50 x 50 | 1225 x 4000, 1225 x 3660, 1225 x 2440, 915 x 3050 | 28.8 | 78 |

79 x 79

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 23 | 6.5/5.0 | 79 x 79 | 405 x 3569 | 5.7 | 80 |

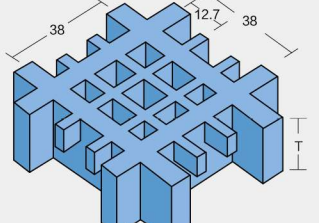
83 x 83

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--|----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 25 | 7.0/5.0 | 83 x 83 | 1007 x 4007, 1007 x 3007 | 5.8 | 84 |
| | 38 | 7.0/5.0 | 83 x 83 | 1007 x 4007, 1007 x 3007 | 9.5 | 84 |
| | 40 | 7.0/5.0 | 83 x 83 | 1007 x 4007, 1007 x 3007 | 10.7 | 84 |

12.7 x 12.7/38 x 38 micro mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|------------------------|--------------------------------------|-----------------------------|---------------|
|  | 30 | 7.5&4.5/6.0 | 12.7 x 12.7 38 x 38 | 1220 x 3660, 1220 x 2440, 915 x 3050 | 22 | 30 |

13 x 13/40 x 40 micro mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|--------------------|--|-----------------------------|---------------|
|  | 25 | 6.5/4.5/5.0 | 13 x 13 40 x 40 | 1247 x 4047, 1007 x 3007, 1007 x 4047 | 17.8 | 30 |
| | 30 | 6.5/4.5/5.0 | 13 x 13 40 x 40 | 1527 x 4047, 1247 x 4047, 1007 x 3007, 1007 x 4047 | 18.8 | 30 |
| | 38 | 7.0/5.0 | 13 x 13 40 x 40 | 1527 x 4047, 1247 x 4047, 1007 x 3007, 1007 x 4047 | 23.8 | 30 |

19 × 19/38 × 38 mini mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|--------------------|---|-----------------------------|---------------|
| | 25 | 6.5/5.0 | 19 × 19 38 × 38 | 1220 × 3660, 1220 × 2440, 915 × 3050, 1220 × 4000, 1268 × 4007 | 16.8 | 30 |
| | 30 | 6.5/5.0 | 19 × 19 38 × 38 | 1220 × 3660, 1220 × 2440, 915 × 3050, 1220 × 4000 | 19.1 | 30 |
| | 38 | 6.5/5.0 | 19 × 19 38 × 38 | 1220 × 3660, 1220 × 2440, 915 × 3050, 1220 × 4000 | 23.5 | 30 |

20 × 20/40 × 40 mini mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|--------------------|--|-----------------------------|---------------|
| | 14 | 6.5/5.0 | 20 × 20 40 × 40 | 1247 × 4047, 1007 × 3007 | 10.3 | 42 |
| | 22 | 6.5/5.0 | 20 × 20 40 × 40 | 1247 × 4047, 1007 × 3007, 1527 × 4047 | 14.5 | 42 |
| | 25 | 6.5/5.0 | 20 × 20 40 × 40 | 1247 × 4047 | 16.8 | |
| | 30 | 7.0/5.0 | 20 × 20 40 × 40 | 1007 × 4047, 1007 × 3007, 1247 × 4047 | 18.3 | 42 |
| | 40 | 7.0/5.0 | 20 × 20 40 × 40 | 1007 × 4047, 1007 × 3007, 1247 × 4047 | 23.7 | 42 |

25 × 25/50 × 50 mini mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|--------------------|---------------------------|-----------------------------|---------------|
| | 50 | 8.0/6.0 | 25 × 25 50 × 50 | 1530 × 4020 | 28.5 | 55 |

26 × 26/52 × 52 mini mesh

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|--------------------|---------------------------|-----------------------------|---------------|
| | 30 | 7.0/6.0 | 26 × 26 52 × 52 | 1530 × 4000 | 15.3 | 60 |
| | 38 | 6.0/5.0 | 26 × 26 52 × 52 | 1150 × 4011 | 19.5 | 60 |

25 × 50

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
| | 38 | 11.0/9.0 heavy duty | 25 × 50 | 1220 × 3660 | 30.7 | 48 |
| | 50 | 12.0/9.0 heavy duty | 25 × 50 | 1220 × 3660, 1220 × 1835 | 41.8 | 48 |

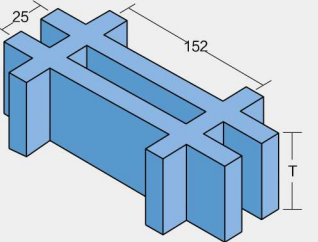
25 × 100

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|----------------|--------------------------------------|-----------------------------|---------------|
| | 25 | 7.0/5.5 | 25 × 100 | 1007 × 3007, 1007 × 4007 | 13.0 | 67 |
| | 25 | 7.0/5.0 | 25 × 100 | 1220 × 3660, 915 × 3050 | 13.83 | 67 |
| | 25 | 9.5/8.0 | 25 × 100 | 1220 × 3660, 1220 × 2440, 915 × 3050 | 19.5 | 52 |
| | 30 | 7.0/5.5 | 25 × 100 | 1007 × 3007 | 15.6 | 67 |
| | 38 | 8.0/6.0 | 25 × 100 | 1220 × 3660 | 22.5 | 62 |
| | 38p | 15.0/5.0 | 25 × 100 | 1220 × 3660 | 21 | 62 |

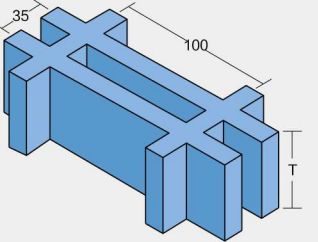
38 × 100

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|--------|----------------|----------------------------|----------------|--------------------------------------|-----------------------------|---------------|
| | 38 | 8.0/6.0 | 38 × 100 | 1220 × 3660, 1220 × 2440, 915 × 3050 | 16.4 | 65 |
| | 50p | 8.0/5.0 | 38 × 100 | 1220 × 3660 | 15.3 | 62 |

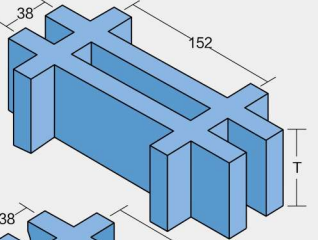
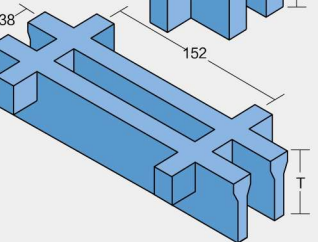
25 x 152

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|--------------------------------------|-----------------------------|---------------|
|  | 38 | 8.0/6.5 | 25 x 152 | 1220 x 3660, 1220 x 2440, 915 x 3050 | 22.5 | 63 |

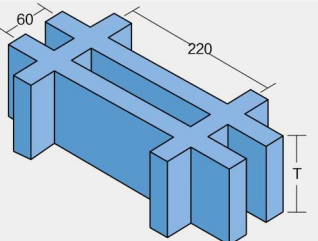
35 x 100

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 38 | 8.0/6.5 | 35 x 100 | 1507 x 4300, 2400 x 3000 | 2 | 63 |

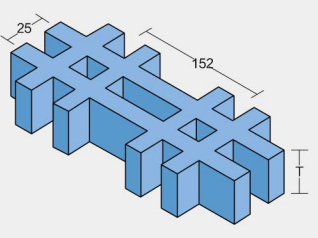
38 x 152

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|--------------------------------------|-----------------------------|---------------|
|  | 38 | 8.0/6.0 | 38 x 152 | 1220 x 3660, 1220 x 2440, 915 x 3050 | 15.92 | 67 |
|  | 38 (T-shape) | 15.0/8.0 | 38 x 152 | 585 x 3660, 585 x 4100 | 18.6 | 62 |

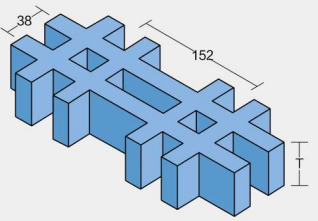
60 x 220

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 40 | 6.3/5.0 | 60 x 220 | 1788 x 2238 | 8.8 | 67 |

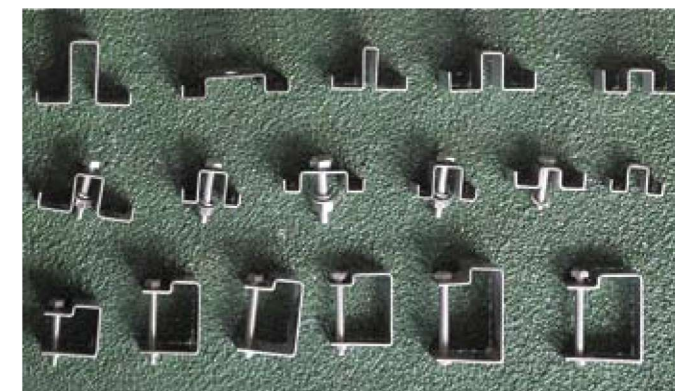
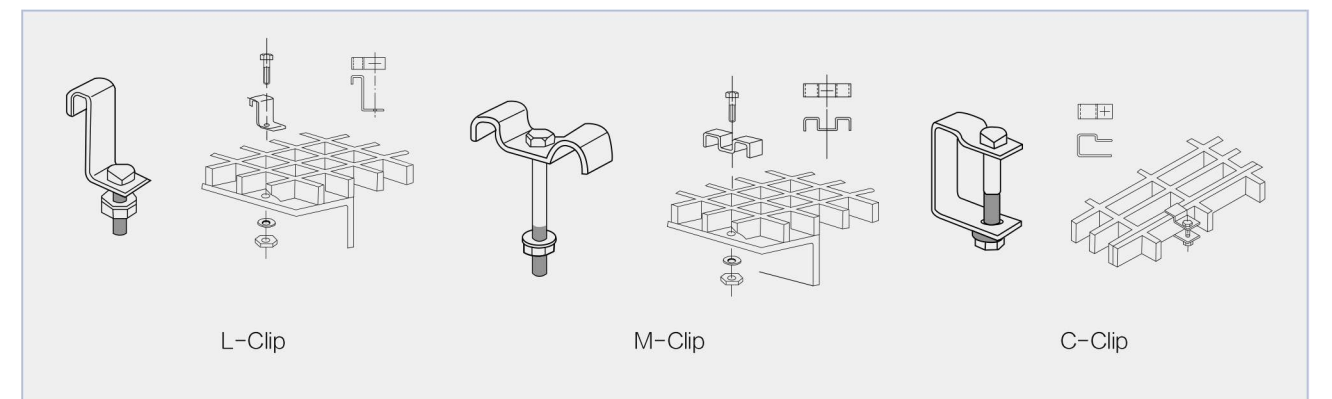
25 x 152

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|-----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 38 stair treads | 7.0/5.0 | 25 x 152 | 565 x 3050 | 23.1 | 62 |

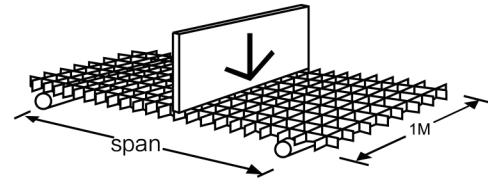
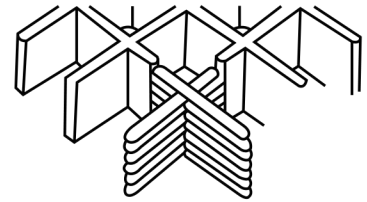
38 x 152

| Legend | Thickness (mm) | Bar thickness (Top/Bottom) | Mesh size (mm) | Panel Size available (mm) | Weight (kg/m ²) | Open Rate (%) |
|---|-----------------|----------------------------|----------------|---------------------------|-----------------------------|---------------|
|  | 38 stair treads | 7.0/5.0 | 38 x 152 | 580 x 3660, 610 x 3660 | 17 | 65 |

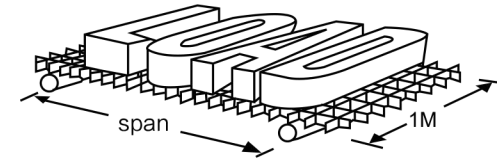
Installation Fixing for Pultruded Gratings



Reel molded grating load deflection tables



Concentrated line load-deflection in mm



Uniformed load-deflection in mm

Bar thickness (Top /Bottom) 6.0/5.0
Distance between centers of bearing bars 38
Open Area 65%
Weight per square meter 9.8 kg/m²

Standard panel sizes: 1220x4000, 1220x3660, 1524x4010, 997x3012 Both directions

38 × 38 × 20

| Deflection Span (mm) | Kg/m | | | | | Break Point |
|-------------------------|-------|--------|-------|--------|-------|-------------|
| | 75 | 150 | 300 | 450 | 750 | |
| 300 | 0.254 | 0.508 | 1.016 | 1.524 | 2.54 | 4470 |
| 450 | 0.762 | 1.524 | 3.302 | 4.826 | 8.128 | 2980 |
| 600 | 1.778 | 3.81 | 7.62 | 11.176 | --- | 2235 |
| 750 | 2.794 | 5.588 | 11.43 | --- | --- | 1788 |
| 900 | 5.334 | 10.668 | --- | --- | --- | 1490 |

38 × 38 × 20

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|-------|-------|-------|-------|-------|-------------|
| | 350 | 500 | 750 | 1000 | 1500 | 2500 | |
| 300 | <0.254 | 0.254 | 0.508 | 0.508 | 1.016 | 1.524 | 29280 |
| 450 | 1.016 | 1.524 | 2.286 | 3.048 | 4.572 | 7.62 | 12980.8 |
| 600 | 3.084 | 4.572 | 7.112 | 9.398 | --- | --- | 7320 |
| 750 | 5.842 | 8.89 | --- | --- | --- | --- | 4084.8 |
| 900 | --- | --- | --- | --- | --- | --- | 3226.8 |

Bar thickness (Top /Bottom) 6.4/5.0
Distance between centers of bearing bars 38
Open Area 68%
Weight per square meter 12.3 kg/m²

Standard panel sizes: 1220x4010, 1220x3660, 1524x4010, 997x3012, 915x3050 Both directions

38 × 38 × 25

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|--------|--------|-------|-------|-------|-------------|
| | 75 | 150 | 300 | 450 | 600 | 750 | |
| 450 | 0.559 | 1.146 | 2.159 | 3.073 | 4.115 | 4.75 | 3910 |
| 600 | 0.864 | 1.702 | 3.505 | 5.156 | 6.706 | 8.179 | 2924 |
| 900 | 2.896 | 5.918 | 12.116 | 18.44 | --- | --- | 1948 |
| 1200 | 5.715 | 11.633 | --- | --- | --- | --- | 1461 |

38 × 38 × 25

| Deflection Span (mm) | Kg/m | | | | | | |
|-------------------------|-------|--------|--------|-------|--------|--------|------|
| | 240 | 480 | 980 | 1450 | 2450 | 3650 | 4880 |
| 450 | 0.66 | 1.092 | 1.93 | 2.769 | 4.47 | 6.579 | --- |
| 600 | 1.118 | 2.108 | 4.14 | 6.172 | 10.211 | 15.265 | --- |
| 750 | 2.667 | 5.387 | 10.82 | 16.28 | --- | --- | --- |
| 900 | 5.537 | 11.176 | 21.717 | --- | --- | --- | --- |

Bar thickness (Top /Bottom) 6.5/5.0
Distance between centers of bearing bars 38
Open Area 68%
Weight per square meter 14.6 kg/m²

Standard panel sizes: 1220x4010, 1220x3660, 1524x4000, 1524x4026, 915x3050 Both directions

38 × 38 × 30

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|--------|-------|-------|--------|-------|-------------|
| | 75 | 150 | 300 | 450 | 750 | 1500 | |
| 300 | <0.254 | <0.254 | 0.254 | 0.508 | 0.762 | 1.524 | 9923.4 |
| 450 | 0.254 | 0.508 | 1.016 | 1.524 | 2.54 | --- | 4827.6 |
| 600 | 0.508 | 1.27 | 2.286 | 3.556 | 5.842 | --- | 4112.4 |
| 750 | 1.27 | 2.54 | 4.826 | 7.366 | 12.446 | --- | 3173.7 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |

38 × 38 × 30

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|--------|--------|--------|--------|-------|-------------|
| | 350 | 500 | 750 | 1000 | 1500 | 2500 | |
| 300 | <0.254 | <0.254 | <0.254 | <0.254 | 0.254 | 0.508 | 32500.8 |
| 450 | 0.254 | 0.508 | 0.762 | 1.016 | 1.524 | 2.286 | 21661.2 |
| 600 | 1.06 | 1.524 | 2.286 | 2.794 | 4.318 | 7.366 | 12980.8 |
| 750 | 2.54 | 3.81 | 5.842 | 7.62 | 11.684 | --- | 8296 |
| 900 | 4.572 | 7.112 | 10.668 | --- | --- | --- | 5758.4 |

Bar thickness (Top /Bottom) 7.0/5.0
Distance between centers of bearing bars 38
Open Area 68%
Weight per square meter 19.5 kg/m²

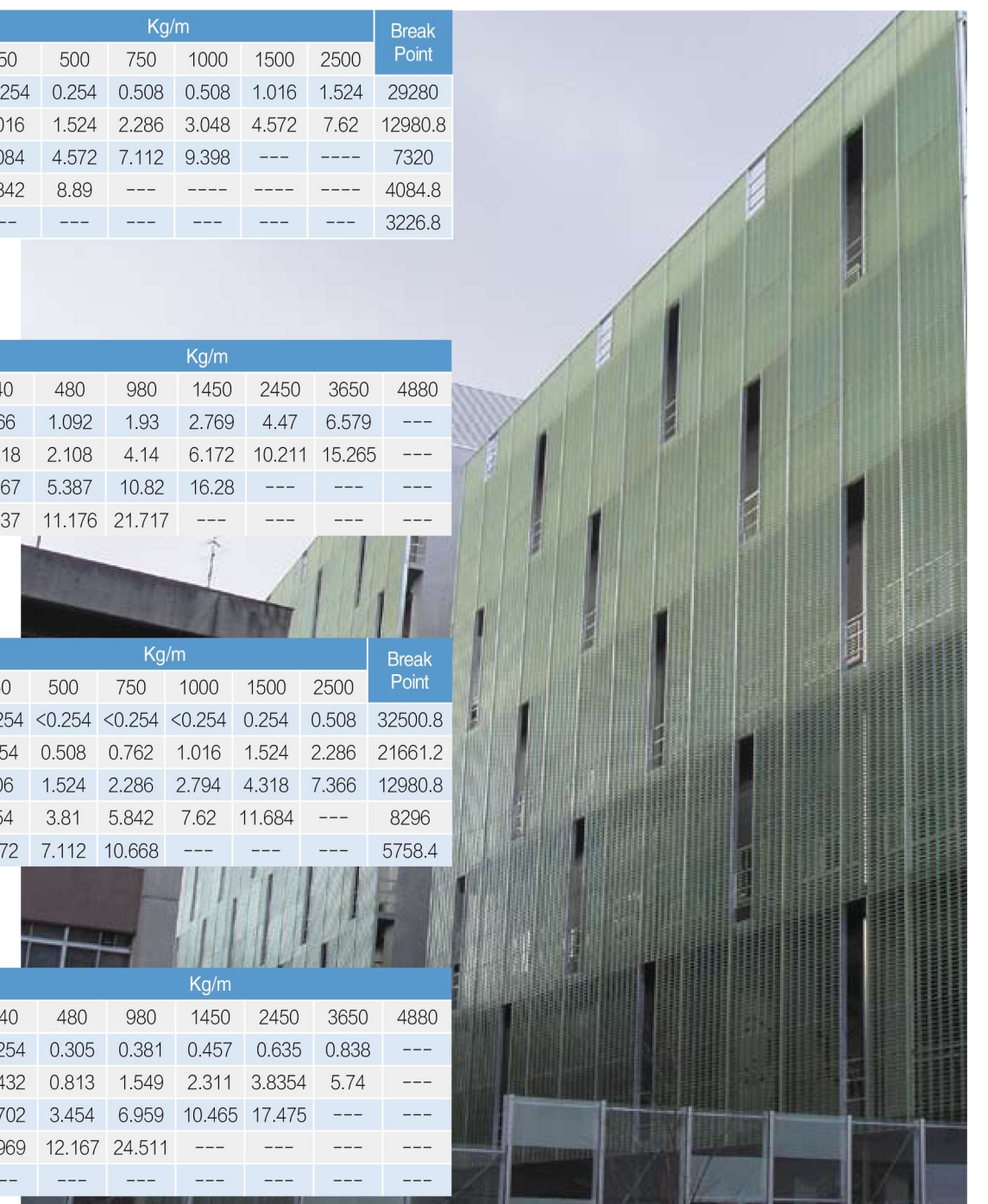
Standard panel sizes: 1220x4000, 1220x3660, 1220x2440, 915x3050, 1524x3050, 1524x4000, 1000x4000 Both directions

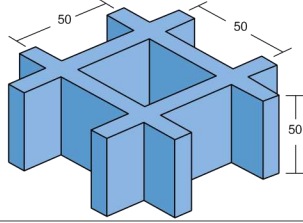
38 × 38 × 38

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|-------|-------|-------|--------|-------|-------------|
| | 75 | 150 | 300 | 450 | 600 | 750 | |
| 300 | 0.279 | 0.356 | 0.483 | 0.61 | 0.762 | 0.889 | 17116 |
| 600 | 0.356 | 0.66 | 1.245 | 1.85 | 2.464 | 3.073 | 8718 |
| 900 | 0.864 | 1.803 | 3.683 | 5.563 | 7.417 | 9.296 | 5817 |
| 1200 | 2.261 | 4.749 | 9.677 | 14.63 | 19.583 | --- | 3755 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |

38 × 38 × 38

| Deflection Span (mm) | Kg/m | | | | | | |
|-------------------------|-------|--------|--------|--------|--------|-------|------|
| | 240 | 480 | 980 | 1450 | 2450 | 3650 | 4880 |
| 300 | 0.254 | 0.305 | 0.381 | 0.457 | 0.635 | 0.838 | --- |
| 600 | 0.432 | 0.813 | 1.549 | 2.311 | 3.8354 | 5.74 | --- |
| 900 | 1.702 | 3.454 | 6.959 | 10.465 | 17.475 | --- | --- |
| 1200 | 5.969 | 12.167 | 24.511 | --- | --- | --- | --- |
| 900 | --- | --- | --- | --- | --- | --- | --- |



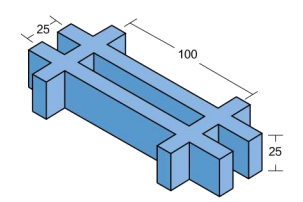


Bar thickness (Top /Bottom) 8.0/6.0
Distance between centers of bearing bars 50
Open Area 78%
Weight per square meter 23.7 kg/m²

Standard panel sizes: 1524x4000, 1220x3660 Both directions

50 × 50 × 50

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|-------|-------|-------|-------|--------|-------------|
| | 75 | 150 | 300 | 450 | 600 | 750 | |
| 300 | 0.279 | 0.305 | 0.406 | 0.483 | 0.635 | 1.041 | 21727 |
| 600 | 0.356 | 0.508 | 0.813 | 1.128 | 1.753 | 3.327 | 11713 |
| 900 | 0.508 | 1.118 | 2.235 | 3.2 | 5.156 | 10.058 | 7780 |
| 1200 | 0.914 | 1.93 | 3.937 | 5.918 | 9.957 | --- | 5834 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |

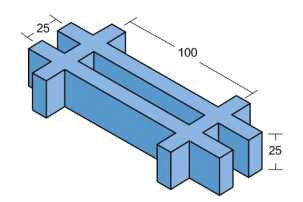


Bar thickness (Top /Bottom) 7.0/5.5
Distance between centers of bearing bars 25
Open Area 67%
Weight per square meter 13.0 kg/m²

Standard panel sizes: 1007x3007, 1007x4007
Width direction

25 × 100 × 25

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|-------|-------|--------|-------|--------|-------------|
| | 75 | 150 | 300 | 450 | 600 | 750 | |
| 300 | 0.33 | 0.483 | 0.737 | 0.991 | 1.27 | 1.52 | 9442 |
| 600 | 0.864 | 1.727 | 3.454 | 5.182 | 6.909 | 8.636 | 4305 |
| 750 | 1.397 | 2.718 | 5.105 | 7.163 | 9.55 | 11.938 | 3589 |
| 900 | 2.413 | 4.724 | 8.814 | 12.369 | 16.51 | 20.625 | 3216 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |

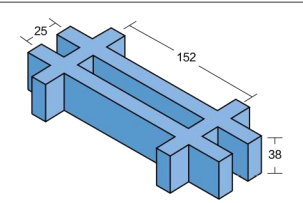


Bar thickness (Top /Bottom) 9.5/8.0
Distance between centers of bearing bars 25
Open Area 52%
Weight per square meter 19.5 kg/m²

Standard panel sizes: 1220x3660, 1220x2440, 915x3050
Width direction

25 × 100 × 25

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|-------|-------|-------|--------|-------|-------------|
| | 75 | 150 | 300 | 450 | 750 | 1500 | |
| 300 | <0.254 | 0.254 | 0.762 | 1.016 | 1.27 | 1.524 | 10057.5 |
| 450 | 0.508 | 0.762 | 1.778 | 2.54 | 3.302 | 4.318 | 7263.75 |
| 600 | 0.762 | 1.778 | 3.556 | 5.08 | 6.858 | --- | 5773.75 |
| 750 | 1.524 | 3.048 | 6.096 | 9.144 | 11.938 | --- | 4842.5 |
| 900 | 2.286 | 4.826 | 9.652 | --- | --- | --- | 4172 |
| 1050 | 3.556 | 7.112 | --- | --- | --- | --- | 3687.75 |
| 1200 | 5.08 | 10.16 | --- | --- | --- | --- | 3501.50 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |



Bar thickness (Top /Bottom) 8.0/6.0
Distance between centers of bearing bars 38
Open Area 67%
Weight per square meter 15.92 kg/m²

Standard panel sizes: 1220x3660, 1220x2440, 915x3050
Length direction, Width direction

38 × 152 × 38

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|--------|-------|-------|-------|-------|-------------|
| | 75 | 150 | 300 | 450 | 600 | 750 | |
| 300 | <0.254 | <0.254 | 0.254 | 0.508 | 0.508 | 0.762 | 12627.75 |
| 450 | <0.254 | 0.254 | 0.762 | 1.016 | 1.524 | 1.778 | 9945.75 |
| 600 | 0.254 | 0.762 | 1.524 | 2.286 | 3.046 | 3.81 | 8232.85 |
| 750 | 0.762 | 1.27 | 2.794 | 4.064 | 5.334 | 6.604 | 7040.25 |
| 900 | 1.016 | 2.286 | 4.318 | 6.64 | 8.636 | 10.92 | 6146.25 |
| 1050 | 1.524 | 3.302 | 6.604 | 9.906 | --- | --- | 5438.5 |
| 1200 | 2.286 | 4.826 | 9.652 | --- | --- | --- | 5140.5 |
| 900 | 1.778 | 3.81 | 7.62 | 11.43 | --- | --- | 2637.3 |

50 × 50 × 50

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|-------|-------|--------|-------|--------|-------------|
| | 240 | 480 | 980 | 1450 | 2450 | 3650 | |
| 300 | 0.254 | 0.279 | 0.33 | 0.381 | 0.483 | 0.737 | --- |
| 600 | 0.381 | 0.584 | 0.965 | 1.372 | 2.134 | 4.115 | --- |
| 900 | 1.194 | 2.108 | 3.937 | 5.766 | 9.449 | 18.593 | --- |
| 1200 | 2.413 | 4.928 | 9.957 | 14.961 | --- | --- | --- |
| 900 | --- | --- | --- | --- | --- | --- | --- |

25 × 100 × 25

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|-------|--------|--------|--------|-------|------|-------------|
| | 240 | 480 | 980 | 1450 | 2450 | 3650 | |
| 300 | 0.279 | 0.381 | 0.533 | 0.711 | 1.041 | --- | 1.905 |
| 600 | 0.914 | 1.854 | 3.683 | 5.537 | 9.22 | --- | 18.466 |
| 900 | 3.632 | 6.6 | 12.573 | 18.542 | --- | --- | --- |
| 1050 | 8.007 | 14.884 | --- | --- | --- | --- | --- |
| 900 | --- | --- | --- | --- | --- | --- | --- |

25 × 100 × 25

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|--------|--------|-------|-------|-------|-------------|
| | 250 | 350 | 300 | 750 | 1000 | 1500 | |
| 300 | <0.254 | <0.254 | <0.254 | 0.254 | 0.508 | 0.508 | 32940 |
| 450 | 0.508 | 0.508 | 0.762 | 1.27 | 1.524 | 2.286 | 18910 |
| 600 | 1.016 | 1.27 | 2.032 | 3.302 | 4.318 | 6.35 | 15860 |
| 750 | 2.286 | 3.048 | 4.572 | 7.112 | 9.398 | --- | 12688 |
| 900 | 4.572 | 5.842 | 8.89 | --- | --- | --- | 9110.96 |
| 1050 | 7.874 | 10.16 | --- | --- | --- | --- | 6900.32 |
| 1200 | 12.7 | --- | --- | --- | --- | --- | 5734 |
| 900 | 4.572 | 7.112 | 10.668 | --- | --- | --- | 5758.4 |

38 × 152 × 38

| Deflection Span (mm) | Kg/m | | | | | | Break Point |
|-------------------------|--------|--------|--------|-------|--------|-------|-------------|
| | 350 | 450 | 750 | 1000 | 1500 | 2500 | |
| 300 | <0.254 | <0.254 | <0.254 | 0.254 | 0.254 | 0.508 | 41358 |
| 450 | <0.254 | 0.254 | 0.508 | 0.762 | 1.016 | 1.778 | 26962 |
| 600 | 0.508 | 1.016 | 1.27 | 1.778 | 2.794 | 4.572 | 21716 |
| 750 | 1.027 | 2.032 | 3.048 | 4.064 | 6.35 | --- | 18446.4 |
| 900 | 2.54 | 4.064 | 6.096 | 8.128 | 12.192 | --- | 13420 |
| 1050 | 4.572 | 7.112 | 10.668 | --- | --- | --- | 10179.68 |
| 1200 | 7.874 | 11.938 | --- | --- | --- | --- | 8418 |
| 900 | 4.572 | 7.112 | 10.668 | --- | --- | --- | 5758.4 |

