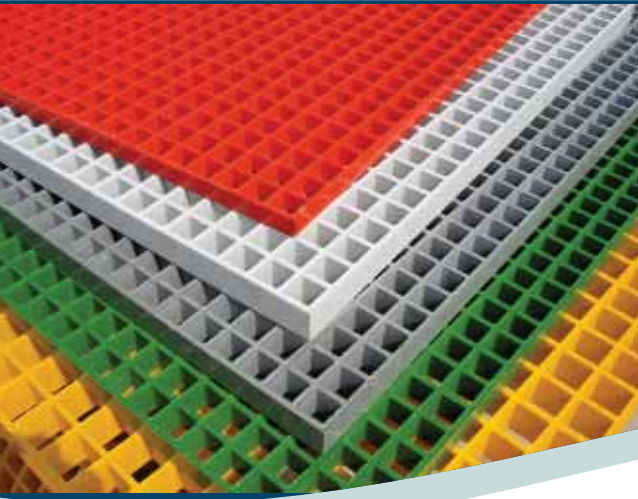


FRP MOLDED GRATINGS



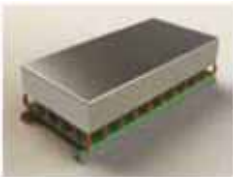
Ferrogate molded gratings are manufactured with continuous fiberglass strands, thoroughly wetted with chemical resistant polyester resin, interwoven between each other forming a one-piece structure by means of an exclusive mechanized processor (TEKNOTEX).

ADVANTAGES OF MOLDED GRATINGS:

Molded Gratings are Light Weight, Fire Retardant, Electrical Insulation, Maintenance free, Corrosion Resistance, Permanent Slip Resistance, Safe & Comfortable foothold, Easy Installation and Maintenance free.

Types of RESINS:

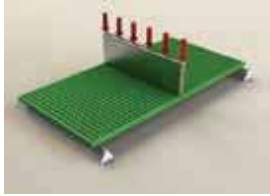
- | | |
|---------------------------------------|--|
| A) OC - Superecoline Polyester Resin. | D) ID - HQ Isophthalic Resin Super FR. |
| B) EC - Ecoline Polyester Resin. | E) VC - HQ Vinyl Ester Resin. |
| C) IC - HQ Isophthalic Resin. | F) VD - HQ Vinyl Ester Resin Super FR. |



UNIFORMLY DISTRIBUTED LOAD

| MESHTYPE mmxmm | THICKNESS mm | | DISTANCE BETWEEN SUPPORTS | | | | | | | |
|-------------------|-----------------|---|---------------------------|-----------|-----------|-----------|------------|------------|------------|------------|
| | | | 400 mm | 500 mm | 600 mm | 800 mm | 1000 mm | 1200 mm | 1400 mm | 1500 mm |
| 100x25 | 25 | U | 5370 | 2770 | 1600 | 680 | 350 | 200 | 130 | 100 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 25 | U | 3420 | 1760 | 1020 | 430 | 220 | 130 | 80 | 70 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 30 | U | 6210 | 3200 | 1860 | 790 | 400 | 230 | 150 | 120 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 8x8 | 30 | U | 7660 | 3960 | 2310 | 980 | 500 | 290 | 180 | 150 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 30 | U | 6490 | 3360 | 1950 | 830 | 430 | 250 | 160 | 130 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 38 | U | 12090 | 6260 | 3650 | 1550 | 790 | 460 | 290 | 240 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 40 | U | 14390 | 7490 | 4370 | 1860 | 960 | 560 | 350 | 280 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 50x50 | 50 | U | 22220 | 11600 | 6780 | 2890 | 1490 | 860 | 540 | 440 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 50 | U | 28830 | 15140 | 8880 | 3800 | 1960 | 1140 | 720 | 580 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 25x50 | 55 | U | 39790 | 20960 | 12320 | 5280 | 2720 | 1580 | 1000 | 810 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 38x38 | 63 | U | 85090 | 44880 | 26410 | 11330 | 5850 | 3400 | 2150 | 1750 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |

FRP MOLDED GRATINGS



CONCENTRATED LINE LOAD

DISTANCE BETWEEN SUPPORTS

| MESHTYPE mmxmm | THICKNESS mm | | 400 mm | 500 mm | 600 mm | 800 mm | 1000 mm | 1200 mm | 1400 mm | 1500 mm |
|-------------------|-----------------|---|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| 100x25 | 25 | C | 1340 | 860 | 600 | 340 | 220 | 150 | 110 | 100 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 25 | C | 850 | 550 | 380 | 220 | 140 | 100 | 70 | 60 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 30 | C | 1540 | 1000 | 700 | 390 | 250 | 180 | 130 | 110 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 8x8 | 30 | C | 1900 | 1230 | 860 | 490 | 310 | 220 | 160 | 140 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 30 | C | 1610 | 1040 | 730 | 410 | 270 | 180 | 140 | 120 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 40x40 | 38 | C | 3000 | 1950 | 1360 | 770 | 500 | 350 | 250 | 220 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 40 | C | 3560 | 2320 | 1630 | 930 | 600 | 420 | 310 | 270 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 50x50 | 50 | C | 5480 | 3590 | 2530 | 1440 | 930 | 650 | 480 | 420 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 19x19 | 50 | C | 7090 | 4680 | 3300 | 1890 | 1220 | 850 | 630 | 550 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 25x50 | 55 | C | 9760 | 6470 | 4580 | 2630 | 1700 | 1180 | 870 | 760 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |
| 38x38 | 63 | C | 20850 | 13840 | 9810 | 5630 | 3640 | 2540 | 1870 | 1630 |
| | | d | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 15 |

