

| Fibergate/Chemgrate Uniform Load Table - Deflection in mm |          |              |                          |        |        |        |       |       |        |                               |  |
|---|----------|--------------|--------------------------|--------|--------|--------|-------|-------|--------|-------------------------------|--|
| Clear Span mm   | Style    |              | Load = KN/m <sup>2</sup> |        |        |        |       |       |        | MAX Load (KN/m <sup>2</sup> ) | Ultimate Capacity (KM.M <sup>2</sup> ) |
|   | Depth mm | Mesh mm x mm | 2.50                     | 3.00   | 5.00   | 10.00  | 25.00 | 50.00 | 100.00 |                               |  |
|   |          |              |                          |        |        |        |       |       |        |                               |  |
| 300   | 16       | 25 x 100     | 0.30                     | 0.40   | 0.70   | 1.30   | 3.30  | ...   | ...    | 43.17                         | 345.39                                 |
|   | 20       | 25 x 100     | 0.25                     | 0.25   | 0.25   | 0.25   | 0.50  | 1.27  | 2.28   | 64.64                         | 389.25                                 |
|   | 20       | 38 x 38      | 0.25                     | 0.25   | 0.25   | 0.25   | 1.02  | 2.03  | 4.06   | 47.88                         | 287.27                                 |
|   | 25       | 50 x 50      | 0.20                     | 0.30   | 0.50   | 0.90   | 2.40  | ...   | ...    | 33.44                         | 267.55                                 |
|   | 25       | 25 x 100     | 0.10                     | 0.10   | 0.20   | 0.50   | 1.20  | 2.30  | ...    | 66.89                         | 535.11                                 |
|   | 25       | 25 x 100HD   | 0.10                     | 0.10   | 0.20   | 0.40   | 1.00  | 2.00  | ...    | 82.09                         | 656.72                                 |
|   | 25       | 38 x 38      | < 0.20                   | < 0.20 | < 0.20 | 0.25   | 1.02  | 2.03  | 4.06   | 75.65                         | 324.14                                 |
|   | 32       | 38 x 38      | < 0.20                   | < 0.20 | < 0.20 | < 0.20 | 0.51  | 1.02  | ...    | 79.48                         | 318.87                                 |
|   | 38       | 38 x 150     | 0.00                     | 0.00   | 0.10   | 0.20   | 0.40  | 0.80  | 1.60   | 123.14                        | 985.08                                 |
|   | 38       | 38 x 38      | 0.10                     | 0.10   | 0.10   | 0.20   | 0.50  | 1.00  | 2.00   | 103.07                        | 824.55                                 |
| 50  | 50 x 50  | < 0.10       | < 0.10                   | < 0.10 | < 0.10 | 0.10   | 0.51  | 1.02  | 119.70 | 460.60                        |  |
| 400   | 16       | 25 x 100     | 0.90                     | 1.10   | 1.80   | 3.60   | 8.90  | ...   | ...    | 26.22                         | 209.79                                 |
|   | 20       | 25 x 100     | 0.51                     | 0.51   | 0.76   | 1.52   | 3.56  | ...   | ...    | 40.70                         | 244.98                                 |
|   | 20       | 38 x 38      | 0.51                     | 0.76   | 1.02   | 2.29   | 5.59  | ...   | ...    | 30.00                         | 180.66                                 |
|   | 25       | 50 x 50      | 0.60                     | 0.80   | 1.30   | 2.50   | ...   | ...   | ...    | 19.44                         | 155.50                                 |
|   | 25       | 25 x 100     | 0.30                     | 0.40   | 0.60   | 1.20   | 3.10  | ...   | ...    | 38.88                         | 311.07                                 |
|   | 25       | 25 x 100HD   | 0.30                     | 0.30   | 0.50   | 1.00   | 2.60  | ...   | ...    | 48.74                         | 389.95                                 |
|   | 25       | 38 x 38      | 0.25                     | 0.25   | 0.25   | 0.51   | 1.27  | 2.79  | ...    | 47.56                         | 209.23                                 |
|   | 32       | 38 x 38      | 0.25                     | 0.25   | 0.51   | 0.76   | 1.78  | 3.56  | ...    | 61.92                         | 248.01                                 |
|   | 38       | 38 x 150     | 0.10                     | 0.10   | 0.20   | 0.40   | 1.10  | 2.20  | ...    | 73.54                         | 588.35                                 |
|   | 38       | 38 x 38      | 0.10                     | 0.20   | 0.30   | 0.50   | 1.40  | 2.70  | 5.33   | 65.51                         | 524.06                                 |
| 50  | 50 x 50  | 0.25         | 0.25                     | 0.25   | 0.42   | 1.02   | 1.69  | 3.22  | 75.33  | 358.13                        |  |
| 500   | 16       | 25 x 100     | 2.00                     | 2.40   | 4.00   | 7.90   | ...   | ...   | ...    | 16.19                         | 129.53                                 |
|   | 20       | 25 x 100     | 0.84                     | 1.02   | 1.70   | 3.39   | ...   | ...   | ...    | 24.42                         | 147.63                                 |
|   | 20       | 38 x 38      | 1.27                     | 1.70   | 2.54   | 5.18   | ...   | ...   | ...    | 18.03                         | 108.84                                 |
|   | 25       | 50 x 50      | 1.40                     | 1.70   | 2.80   | 5.60   | ...   | ...   | ...    | 12.92                         | 103.38                                 |
|   | 25       | 25 x 100     | 0.70                     | 0.80   | 1.40   | 2.80   | 6.90  | ...   | ...    | 25.84                         | 206.71                                 |
|   | 25       | 25 x 100HD   | 0.60                     | 0.70   | 1.10   | 2.20   | 5.60  | ...   | ...    | 33.01                         | 264.09                                 |
|   | 25       | 38 x 38      | 0.85                     | 1.02   | 1.70   | 3.47   | ...   | ...   | ...    | 42.93                         | 194.23                                 |
|   | 32       | 38 x 38      | 0.42                     | 0.51   | 0.85   | 1.27   | 3.98  | ...   | ...    | 45.96                         | 184.17                                 |
|   | 38       | 38 x 150     | 0.20                     | 0.30   | 0.50   | 1.00   | 2.40  | 4.80  | ...    | 57.40                         | 459.18                                 |
|   | 38       | 38 x 38      | 0.30                     | 0.40   | 0.60   | 1.20   | 3.00  | ...   | ...    | 45.94                         | 367.53                                 |
| 50  | 50 x 50  | 0.2          | 0.3                      | 0.4    | 0.8    | 2.10   | 4.20  | 8.50  | 45.33  | 281.37                        |  |
| 600   | 16       | 25 x 100     | 3.70                     | 4.40   | 7.40   | 14.80  | ...   | ...   | ...    | 10.64                         | 85.13                                  |
|   | 20       | 25 x 100     | 1.52                     | 2.03   | 3.05   | 6.10   | ...   | ...   | ...    | 15.80                         | 97.19                                  |
|   | 20       | 38 x 38      | 2.29                     | 3.05   | 4.57   | 9.40   | ...   | ...   | ...    | 11.97                         | 71.82                                  |
|   | 25       | 50 x 50      | 2.60                     | 3.20   | 5.30   | ...    | ...   | ...   | ...    | 8.97                          | 71.75                                  |
|   | 25       | 25 x 100     | 1.30                     | 1.60   | 2.60   | 5.30   | ...   | ...   | ...    | 18.09                         | 144.72                                 |
|   | 25       | 25 x 100HD   | 1.10                     | 1.30   | 2.10   | 4.20   | 9.40  | ...   | ...    | 23.56                         | 188.50                                 |
|   | 25       | 38 x 38      | 1.52                     | 2.03   | 3.05   | 6.35   | ...   | ...   | ...    | 18.67                         | 85.22                                  |
|   | 32       | 38 x 38      | 0.76                     | 1.02   | 1.52   | 2.79   | 7.37  | ...   | ...    | 21.07                         | 127.36                                 |
|   | 38       | 38 x 150     | 0.50                     | 0.50   | 0.90   | 1.80   | 4.60  | ...   | ...    | 38.46                         | 307.69                                 |
|   | 38       | 38 x 38      | 0.60                     | 0.70   | 1.20   | 2.30   | 5.80  | 10.67 | ...    | 33.60                         | 268.77                                 |
| 50  | 50 x 50  | 0.3          | 0.4                      | 0.7    | 1.3    | 3.30   | 5.08  | ...   | 39.37  | 314.98                        |  |
| 700   | 16       | 25 x 100     | 6.30                     | 7.60   | 12.60  | ...    | ...   | ...   | ...    | 7.57                          | 60.59                                  |
|   | 20       | 25 x 100     | 2.71                     | 3.56   | 5.42   | ...    | ...   | ...   | ...    | 11.97                         | 73.89                                  |
|   | 20       | 38 x 38      | 3.64                     | 4.91   | 7.45   | ...    | ...   | ...   | ...    | 9.10                          | 54.58                                  |
|   | 25       | 50 x 50      | 4.60                     | 5.60   | 9.30   | ...    | ...   | ...   | ...    | 6.80                          | 53.41                                  |
|   | 25       | 25 x 100     | 2.30                     | 2.80   | 4.60   | 9.30   | ...   | ...   | ...    | 13.59                         | 108.74                                 |
|   | 25       | 25 x 100HD   | 1.80                     | 2.20   | 3.60   | 7.30   | ...   | ...   | ...    | 18.00                         | 143.98                                 |
|   | 25       | 38 x 38      | 2.88                     | 3.72   | 5.59   | 8.55   | ...   | ...   | ...    | 14.20                         | 64.80                                  |
|   | 32       | 38 x 38      | 1.61                     | 2.03   | 3.05   | 6.01   | ...   | ...   | ...    | 15.96                         | 96.72                                  |
|   | 38       | 38 x 150     | 0.80                     | 1.00   | 1.60   | 3.20   | ...   | ...   | ...    | 24.89                         | 199.10                                 |
|   | 38       | 38 x 38      | 1.00                     | 1.20   | 2.10   | 4.10   | 10.30 | ...   | ...    | 26.00                         | 208.02                                 |
| 50  | 50 x 50  | 0.6          | 0.7                      | 1.2    | 2.3    | 5.80   | ...   | ...   | 29.51  | 236.04                        |  |
|   | 16       | 25 x 100     | 10.00                    | 12.00  | 20.00  | ...    | ...   | ...   | ...    | 5.13                          | 41.05                                  |
|   | 20       | 25 x 100     | 3.81                     | 5.00   | 7.62   | ...    | ...   | ...   | ...    | 9.58                          | 59.05                                  |
|   | 20       | 38 x 38      | 5.25                     | ...    | ...    | ...    | ...   | ...   | ...    | 7.26                          | 43.57                                  |
|   | 25       | 50 x 50      | 7.70                     | 9.20   | 15.30  | ...    | ...   | ...   | ...    | 5.24                          | 41.96                                  |
|   | 25       | 25 x 100     | 3.80                     | 4.60   | 7.70   | 15.30  | ...   | ...   | ...    | 10.55                         | 84.39                                  |

|      |    |            |       |       |       |       |     |     |     |       |        |
|------|----|------------|-------|-------|-------|-------|-----|-----|-----|-------|--------|
| 800  | 25 | 25 x 100HD | 2.90  | 3.50  | 5.80  | 11.60 | ... | ... | ... | 14.25 | 114.01 |
|      | 25 | 38 x 38    | 4.28  | 5.50  | ...   | ...   | ... | ... | ... | 11.33 | 51.79  |
|      | 32 | 38 x 38    | 2.29  | 2.88  | 4.36  | ...   | ... | ... | ... | 12.69 | 77.24  |
|      | 38 | 38 x 150   | 1.30  | 1.60  | 2.60  | 5.20  | ... | ... | ... | 19.39 | 155.10 |
|      | 38 | 38 x 38    | 1.70  | 2.00  | 3.40  | 6.70  | ... | ... | ... | 20.81 | 166.48 |
|      | 50 | 50 x 50    | 1     | 1.2   | 1.9   | 3.8   | ... | ... | ... | 22.98 | 183.81 |
| 900  | 16 | 25 x 100   | 14.90 | 17.90 | ...   | ...   | ... | ... | ... | 3.73  | 29.80  |
|      | 20 | 25 x 100   | 6.35  | 8.38  | 12.70 | ...   | ... | ... | ... | 7.66  | 46.28  |
|      | 20 | 38 x 38    | 9.91  | ...   | ...   | ...   | ... | ... | ... | 8.38  | 33.99  |
|      | 25 | 50 x 50    | 11.60 | 14.00 | ...   | ...   | ... | ... | ... | 4.21  | 33.70  |
|      | 25 | 25 x 100   | 5.90  | 7.10  | 11.80 | ...   | ... | ... | ... | 8.42  | 67.39  |
|      | 25 | 25 x 100HD | 4.40  | 5.30  | 8.90  | 17.70 | ... | ... | ... | 11.50 | 92.04  |
|      | 25 | 38 x 38    | 7.87  | 10.16 | ...   | ...   | ... | ... | ... | 8.78  | 40.62  |
|      | 32 | 38 x 38    | 3.56  | 4.57  | 7.11  | 10.67 | ... | ... | ... | 9.82  | 60.65  |
|      | 38 | 38 x 150   | 2.00  | 2.40  | 4.00  | 8.10  | ... | ... | ... | 15.51 | 124.11 |
|      | 38 | 38 x 38    | 2.60  | 3.10  | 5.20  | 10.50 | ... | ... | ... | 16.93 | 135.46 |
| 1000 | 16 | 25 x 100   | 21.40 | ...   | ...   | ...   | ... | ... | ... | 2.92  | 23.35  |
|      | 25 | 50 x 50    | 16.80 | 20.10 | ...   | ...   | ... | ... | ... | 3.47  | 27.73  |
|      | 25 | 25 x 100   | 8.70  | 10.40 | 17.40 | ...   | ... | ... | ... | 6.93  | 55.46  |
|      | 25 | 25 x 100HD | 6.50  | 7.80  | 13.10 | ...   | ... | ... | ... | 9.49  | 75.89  |
|      | 25 | 38 x 38    | 12.45 | ...   | ...   | ...   | ... | ... | ... | 6.94  | 32.80  |
|      | 32 | 38 x 38    | 6.60  | 8.64  | ...   | ...   | ... | ... | ... | 7.90  | 49.08  |
|      | 38 | 38 x 150   | 3.00  | 3.60  | 5.90  | 11.90 | ... | ... | ... | 12.77 | 102.16 |
|      | 38 | 38 x 38    | 3.90  | 4.70  | 7.80  | 15.70 | ... | ... | ... | 14.05 | 112.37 |
|      | 50 | 50 x 50    | 2.20  | 2.70  | 4.40  | 8.90  | ... | ... | ... | 14.96 | 119.67 |
| 1100 | 16 | 25 x 100   | 31.80 | ...   | ...   | ...   | ... | ... | ... | 2.41  | 19.29  |
|      | 25 | 50 x 50    | 25.30 | ...   | ...   | ...   | ... | ... | ... | 2.79  | 22.34  |
|      | 25 | 25 x 100   | 12.80 | 15.30 | 25.60 | ...   | ... | ... | ... | 5.47  | 43.78  |
|      | 25 | 25 x 100HD | 9.00  | 10.80 | 18.00 | ...   | ... | ... | ... | 8.03  | 64.24  |
|      | 32 | 38 x 38    | 9.40  | 12.45 | ...   | ...   | ... | ... | ... | 6.54  | 40.46  |
|      | 38 | 38 x 150   | 4.20  | 5.00  | 8.40  | 16.80 | ... | ... | ... | 10.54 | 84.30  |
|      | 38 | 38 x 38    | 5.60  | 6.70  | 11.20 | 22.40 | ... | ... | ... | 11.82 | 94.54  |
|      | 50 | 50 x 50    | 3.20  | 3.80  | 6.40  | 12.70 | ... | ... | ... | 12.41 | 99.26  |
| 1200 | 25 | 25 x 100   | 18.10 | 21.80 | ...   | ...   | ... | ... | ... | 4.56  | 36.48  |
|      | 25 | 25 x 100HD | 12.50 | 15.00 | 25.00 | ...   | ... | ... | ... | 6.69  | 53.51  |
|      | 38 | 38 x 150   | 5.80  | 7.00  | 11.70 | ...   | ... | ... | ... | 8.85  | 70.83  |
|      | 38 | 38 x 38    | 7.90  | 9.50  | 15.80 | ...   | ... | ... | ... | 9.93  | 79.44  |
|      | 50 | 50 x 50    | 4.50  | 5.40  | 9.00  | 17.9  | ... | ... | ... | 10.43 | 83.40  |
| 1300 | 38 | 38 x 38    | 8.89  | ...   | ...   | ...   | ... | ... | ... | 5.27  | 42.85  |
|      | 50 | 50 x 50    | 4.45  | 5.72  | 8.89  | ...   | ... | ... | ... | 6.46  | 55.78  |
| 1400 | 38 | 38 x 38    | 11.00 | ...   | ...   | ...   | ... | ... | ... | 4.95  | 39.50  |
|      | 50 | 50 x 50    | 5.50  | 6.90  | 11.00 | ...   | ... | ... | ... | 5.59  | 47.72  |
| 1500 | 50 | 50 x 50    | 9.40  | 11.94 | ...   | ...   | ... | ... | ... | 4.95  | 41.34  |