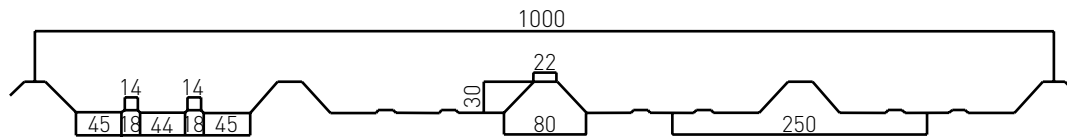
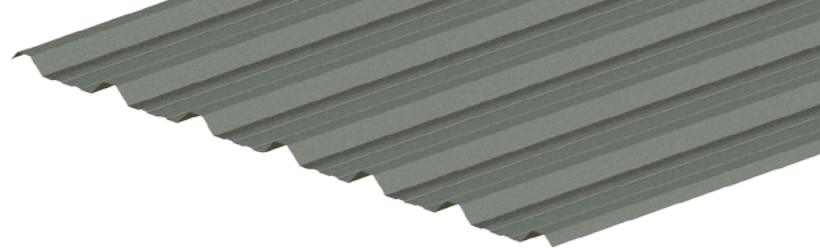


/ CHAPA T5



| MOMENTOS POSITIVOS    |                           |               |                         |                         | MOMENTOS NEGATIVOS |                         |                         |
|-----------------------|---------------------------|---------------|-------------------------|-------------------------|--------------------|-------------------------|-------------------------|
| t <sub>nom</sub> [mm] | Peso [kg/m <sup>2</sup> ] | MRd+ [kN.m/m] | I+ [cm <sup>4</sup> /m] | W+ [cm <sup>3</sup> /m] | MRd- [kN.m/m]      | I- [cm <sup>4</sup> /m] | W- [cm <sup>3</sup> /m] |
| 0.45                  | 4.06                      | 0.44          | 3.93                    | 1.59                    | 0.61               | 2.98                    | 2.19                    |
| 0.50                  | 4.51                      | 0.55          | 4.75                    | 1.95                    | 0.73               | 3.47                    | 2.62                    |
| 0.55                  | 4.97                      | 0.66          | 5.62                    | 2.35                    | 0.86               | 3.98                    | 3.08                    |
| 0.60                  | 5.42                      | 0.78          | 6.55                    | 2.78                    | 1.00               | 4.50                    | 3.58                    |
| 0.70                  | 6.32                      | 1.03          | 8.42                    | 3.68                    | 1.31               | 5.60                    | 4.67                    |

# CARATERÍSTICAS / CHAPA T5



| CARGAS DESCENDENTES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 Vão   Vão [m]     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]          | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 0.45                | 2.33 | 1.92 | 1.61 | 1.37 | 1.15 | 0.94 | 0.77 | 0.64 | 0.54 | 0.46 | 0.40 | 0.34 | 0.30 | 0.26 | 0.23 | 0.20 |
| 0.50                | 2.88 | 2.37 | 1.98 | 1.69 | 1.40 | 1.13 | 0.93 | 0.78 | 0.66 | 0.56 | 0.48 | 0.41 | 0.36 | 0.31 | 0.28 | 0.25 |
| 0.55                | 3.47 | 2.86 | 2.39 | 2.03 | 1.65 | 1.34 | 1.11 | 0.92 | 0.78 | 0.66 | 0.57 | 0.49 | 0.43 | 0.37 | 0.33 | 0.29 |
| 0.60                | 4.11 | 3.39 | 2.84 | 2.40 | 1.92 | 1.56 | 1.29 | 1.07 | 0.91 | 0.77 | 0.66 | 0.57 | 0.50 | 0.43 | 0.38 | 0.34 |
| 0.70                | 5.44 | 4.49 | 3.76 | 3.09 | 2.47 | 2.01 | 1.66 | 1.38 | 1.16 | 0.99 | 0.85 | 0.73 | 0.64 | 0.56 | 0.49 | 0.43 |
| 2 Vãos   Vão [m]    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]          | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 0.45                | 3.24 | 2.67 | 2.24 | 1.90 | 1.64 | 1.42 | 1.24 | 1.10 | 0.98 | 0.87 | 0.78 | 0.71 | 0.64 | 0.58 | 0.53 | 0.49 |
| 0.50                | 3.88 | 3.20 | 2.68 | 2.28 | 1.96 | 1.70 | 1.49 | 1.31 | 1.17 | 1.04 | 0.94 | 0.85 | 0.77 | 0.70 | 0.64 | 0.59 |
| 0.55                | 4.56 | 3.76 | 3.15 | 2.68 | 2.31 | 2.00 | 1.75 | 1.55 | 1.38 | 1.23 | 1.11 | 1.00 | 0.91 | 0.83 | 0.76 | 0.69 |
| 0.60                | 5.30 | 4.37 | 3.66 | 3.11 | 2.68 | 2.33 | 2.04 | 1.80 | 1.60 | 1.43 | 1.29 | 1.16 | 1.06 | 0.96 | 0.88 | 0.81 |
| 0.70                | 6.92 | 5.71 | 4.79 | 4.07 | 3.50 | 3.04 | 2.67 | 2.36 | 2.10 | 1.88 | 1.69 | 1.53 | 1.39 | 1.26 | 1.16 | 1.06 |
| 3 Vãos   Vão [m]    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]          | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 0.45                | 3.67 | 3.02 | 2.53 | 2.15 | 1.85 | 1.61 | 1.41 | 1.24 | 1.04 | 0.89 | 0.76 | 0.66 | 0.57 | 0.50 | 0.44 | 0.39 |
| 0.50                | 4.52 | 3.72 | 3.12 | 2.66 | 2.28 | 1.98 | 1.74 | 1.50 | 1.26 | 1.07 | 0.92 | 0.80 | 0.69 | 0.61 | 0.53 | 0.47 |
| 0.55                | 5.44 | 4.49 | 3.77 | 3.20 | 2.76 | 2.39 | 2.10 | 1.78 | 1.50 | 1.27 | 1.09 | 0.94 | 0.82 | 0.72 | 0.63 | 0.56 |
| 0.60                | 6.45 | 5.32 | 4.46 | 3.79 | 3.27 | 2.84 | 2.48 | 2.07 | 1.74 | 1.48 | 1.27 | 1.10 | 0.95 | 0.83 | 0.73 | 0.65 |
| 0.70                | 8.53 | 7.04 | 5.91 | 5.03 | 4.33 | 3.76 | 3.19 | 2.66 | 2.24 | 1.90 | 1.63 | 1.41 | 1.23 | 1.07 | 0.94 | 0.84 |

| CARGAS ASCENDENTES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 Vão   Vão [m]    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]         | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 1.00               | 3.21 | 2.41 | 1.86 | 1.46 | 1.17 | 0.95 | 0.78 | 0.65 | 0.55 | 0.47 | 0.40 | 0.35 | 0.30 | 0.26 | 0.23 | 0.21 |
| 3.14               | 3.73 | 2.80 | 2.16 | 1.70 | 1.36 | 1.11 | 0.91 | 0.76 | 0.64 | 0.54 | 0.47 | 0.40 | 0.35 | 0.31 | 0.27 | 0.24 |
| 3.65               | 4.28 | 3.21 | 2.48 | 1.95 | 1.56 | 1.27 | 1.04 | 0.87 | 0.73 | 0.62 | 0.53 | 0.46 | 0.40 | 0.35 | 0.31 | 0.27 |
| 4.19               | 4.84 | 3.64 | 2.80 | 2.20 | 1.76 | 1.43 | 1.18 | 0.99 | 0.83 | 0.71 | 0.61 | 0.52 | 0.45 | 0.40 | 0.35 | 0.31 |
| 4.74               | 5.42 | 4.15 | 3.18 | 2.48 | 1.98 | 1.60 | 1.33 | 1.11 | 0.93 | 0.81 | 0.71 | 0.61 | 0.52 | 0.45 | 0.40 | 0.35 |
| 5.90               | 6.02 | 4.52 | 3.48 | 2.74 | 2.19 | 1.78 | 1.47 | 1.23 | 1.03 | 0.88 | 0.75 | 0.65 | 0.57 | 0.49 | 0.44 | 0.39 |
| 2 Vãos   Vão [m]   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]         | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 0.45               | 2.33 | 1.92 | 1.61 | 1.37 | 1.17 | 1.02 | 0.89 | 0.78 | 0.70 | 0.62 | 0.56 | 0.50 | 0.45 | 0.41 | 0.38 | 0.34 |
| 0.50               | 2.88 | 2.37 | 1.98 | 1.69 | 1.45 | 1.26 | 1.10 | 0.97 | 0.86 | 0.77 | 0.69 | 0.62 | 0.56 | 0.51 | 0.47 | 0.43 |
| 0.55               | 3.47 | 2.86 | 2.39 | 2.03 | 1.75 | 1.52 | 1.33 | 1.17 | 1.04 | 0.93 | 0.83 | 0.75 | 0.68 | 0.62 | 0.57 | 0.52 |
| 0.60               | 4.11 | 3.39 | 2.84 | 2.41 | 2.07 | 1.80 | 1.58 | 1.39 | 1.23 | 1.10 | 0.99 | 0.89 | 0.81 | 0.74 | 0.67 | 0.62 |
| 0.70               | 5.44 | 4.49 | 3.76 | 3.20 | 2.75 | 2.39 | 2.09 | 1.85 | 1.64 | 1.47 | 1.32 | 1.19 | 1.08 | 0.98 | 0.90 | 0.82 |
| 3 Vãos   Vão [m]   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| t nom [mm]         | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 1.80 | 1.90 | 2.00 | 2.10 | 2.20 | 2.30 | 2.40 | 2.50 |
| 0.45               | 2.93 | 2.41 | 2.02 | 1.72 | 1.47 | 1.28 | 1.12 | 0.99 | 0.88 | 0.78 | 0.70 | 0.64 | 0.58 | 0.51 | 0.45 | 0.39 |
| 0.50               | 3.60 | 2.97 | 2.49 | 2.12 | 1.82 | 1.58 | 1.38 | 1.22 | 1.08 | 0.97 | 0.87 | 0.77 | 0.67 | 0.59 | 0.52 | 0.46 |
| 0.55               | 4.35 | 3.58 | 3.00 | 2.55 | 2.20 | 1.91 | 1.67 | 1.48 | 1.31 | 1.17 | 1.03 | 0.89 | 0.77 | 0.68 | 0.59 | 0.53 |
| 0.60               | 5.15 | 4.25 | 3.56 | 3.03 | 2.60 | 2.26 | 1.98 | 1.75 | 1.56 | 1.36 | 1.16 | 1.01 | 0.87 | 0.77 | 0.67 | 0.60 |
| 0.70               | 6.81 | 5.62 | 4.71 | 4.01 | 3.45 | 3.00 | 2.63 | 2.32 | 1.99 | 1.69 | 1.45 | 1.25 | 1.09 | 0.95 | 0.84 | 0.74 |