

Caratteristiche statiche calcolate secondo normativa EC3 - All. A

CARATTERISTICHE STATICHE DEL PROFILO

| SPESSORE (mm) | 0.5 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.5 |
|------------------------------------|------|------|------|------|------|-------|-------|
| Peso (kg/m ²) in opera | 4.91 | 5.89 | 6.86 | 7.85 | 9.81 | 11.77 | 14.72 |

Caratteristiche statiche del profilo in campata

| | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|
| Jx (cm ⁴ /m) | 7.30 | 8.76 | 10.22 | 11.68 | 14.61 | 17.53 | 21.91 |
| Ws (cm ³ /m) | 3.15 | 3.78 | 4.41 | 5.05 | 6.31 | 7.57 | 9.46 |
| Wi (cm ³ /m) | 10.68 | 12.81 | 14.95 | 17.08 | 21.35 | 25.62 | 32.03 |

In corrispondenza degli appoggi di continuità

| | | | | | | | |
|-------------------------|------|-------|-------|-------|-------|-------|-------|
| Jx (cm ⁴ /m) | 6.74 | 8.36 | 10.01 | 11.68 | 14.61 | 17.53 | 21.91 |
| Ws (cm ³ /m) | 3.09 | 3.74 | 4.39 | 5.04 | 6.31 | 7.57 | 9.46 |
| Wi (cm ³ /m) | 8.26 | 10.96 | 13.91 | 17.06 | 21.35 | 25.62 | 32.03 |

CARICO MASSIMO UNIFORMEMENTE DISTRIBUITO KG/m²

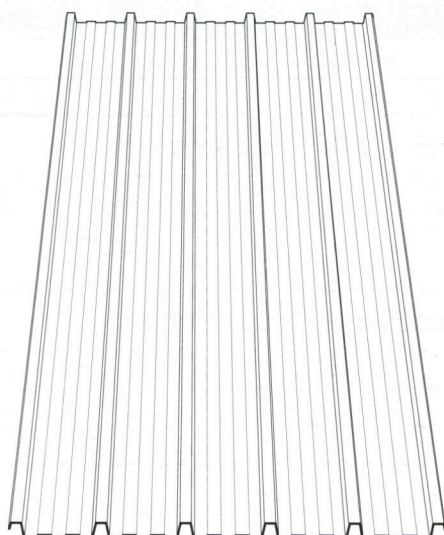
La portata massima viene data dal minore dei due seguenti valori di portata:

1^a Portata max. ricavata da verifica di resistenza

2^a Portata max. ricavata da verifica di deformabilità imponendo $f_{max} \leq 1/200 \ell$

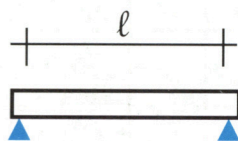
Calcoli effettuati con tensione ammissibile = 1400 kg/cm² = 140 N/mm²

tensione di snervamento = 2200 kg/cm² = 220 N/mm²



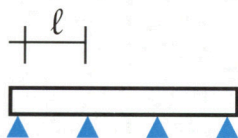
| SPESSORI mm. | DISTANZA TRA GLI APPOGGI INTERNI (m) | | | | | | | | | | | | |
|-----------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 |

TRAVE A UNA CAMPATA (portata in kg/m²)



| | | | | | | | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 0.5 | 353 | 245 | 180 | 137 | 98 | 71 | 53 | 41 | 32 | 26 | 21 | 17 | 14 |
| 0.6 | 423 | 294 | 216 | 165 | 118 | 86 | 64 | 49 | 39 | 31 | 25 | 21 | 17 |
| 0.7 | 494 | 343 | 252 | 193 | 138 | 100 | 75 | 58 | 45 | 36 | 29 | 24 | 20 |
| 0.8 | 565 | 392 | 288 | 220 | 157 | 114 | 86 | 66 | 52 | 41 | 34 | 28 | 23 |
| 1.0 | 706 | 490 | 360 | 275 | 197 | 143 | 107 | 83 | 65 | 52 | 42 | 35 | 29 |
| 1.2 | 847 | 588 | 432 | 331 | 236 | 172 | 129 | 99 | 78 | 62 | 51 | 42 | 35 |
| 1.5 | 1059 | 735 | 540 | 413 | 295 | 215 | 161 | 124 | 98 | 78 | 63 | 52 | 43 |

TRAVE A TRE CAMPATE (portata in kg/m²)



| | | | | | | | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| 0.5 | 431 | 299 | 220 | 168 | 133 | 107 | 89 | 69 | 54 | 43 | 35 | 29 | 24 |
| 0.6 | 523 | 363 | 266 | 204 | 161 | 130 | 107 | 83 | 65 | 52 | 42 | 35 | 29 |
| 0.7 | 614 | 426 | 313 | 240 | 189 | 153 | 125 | 97 | 76 | 61 | 49 | 40 | 34 |
| 0.8 | 706 | 490 | 360 | 275 | 217 | 176 | 143 | 110 | 87 | 69 | 56 | 46 | 39 |
| 1.0 | 882 | 613 | 450 | 344 | 272 | 220 | 179 | 138 | 109 | 87 | 70 | 58 | 48 |
| 1.2 | 1059 | 735 | 540 | 413 | 327 | 264 | 215 | 166 | 130 | 104 | 85 | 70 | 58 |
| 1.5 | 1324 | 919 | 675 | 517 | 408 | 331 | 269 | 207 | 163 | 130 | 106 | 87 | 73 |

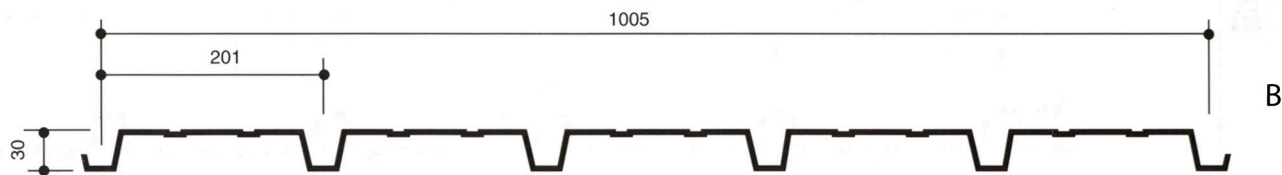
TRAVE A UNA CAMPATA (freccia in millimetri)

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 3.1 | 4.4 | 6.0 | 7.8 | 9.0 | 10.0 | 10.9 | 11.8 | 12.9 | 13.8 | 14.7 | 16.0 | 16.5 |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|

TRAVE A TRE CAMPATE (freccia in millimetri)

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 2.3 | 3.3 | 4.4 | 5.8 | 7.3 | 9.0 | 10.9 | 12.0 | 12.9 | 13.9 | 14.8 | 16.0 | 16.9 |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|

A o B indica il lato preverniciato desiderato.



Caratteristiche statiche calcolate secondo normativa EC3 - All. A

CARATTERISTICHE STATICHE DEL PROFILO

| SPESSORE (mm) | 0.5 | 0.6 | 0.7 | 0.8 | 1.0 | 1.2 | 1.5 |
|------------------------------------|------|------|------|------|------|-------|-------|
| Peso (kg/m ²) in opera | 4.91 | 5.89 | 6.86 | 7.85 | 9.81 | 11.77 | 14.72 |

Caratteristiche statiche del profilo in campata

| | | | | | | | |
|-------------------------|------|------|------|------|-------|-------|-------|
| Jx (cm ⁴ /m) | 4.74 | 6.01 | 7.35 | 8.74 | 11.66 | 14.72 | 19.49 |
| Ws (cm ³ /m) | 3.62 | 4.83 | 6.18 | 7.69 | 11.11 | 15.06 | 21.88 |
| Wi (cm ³ /m) | 2.81 | 3.43 | 4.06 | 4.69 | 5.98 | 7.28 | 9.24 |

In corrispondenza degli appoggi di continuità

| | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|
| Jx (cm ⁴ /m) | 7.39 | 8.86 | 10.34 | 11.82 | 14.77 | 17.73 | 22.16 |
| Ws (cm ³ /m) | 10.91 | 13.10 | 15.28 | 17.46 | 21.83 | 26.19 | 32.74 |
| Wi (cm ³ /m) | 3.18 | 3.82 | 4.45 | 5.09 | 6.36 | 7.63 | 9.54 |

CARICO MASSIMO UNIFORMEMENTE DISTRIBUITO KG/m²

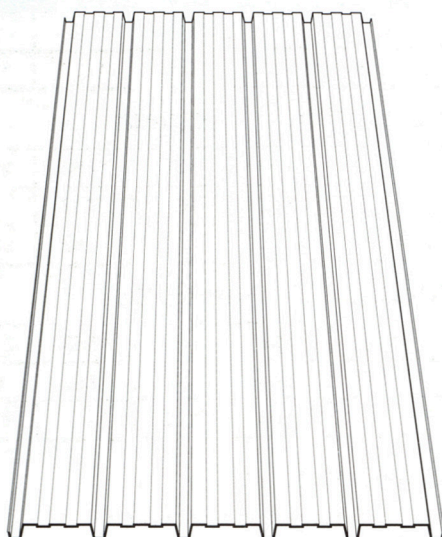
La portata massima viene data dal minore dei due seguenti valori di portata:

1^a Portata max. ricavata da verifica di resistenza

2^a Portata max. ricavata da verifica di deformabilità imponendo $f_{max} \leq 1/200 \ell$

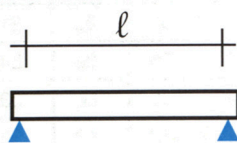
Calcoli effettuati con tensione ammissibile = 1400 kg/cm² = 140 N/mm²

tensione di snervamento = 2200 kg/cm² = 220 N/mm²



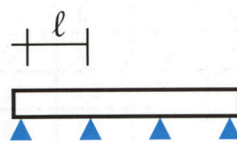
| SPESSORI mm. | DISTANZA TRA GLI APPOGGI INTERNI (m) | | | | | | | | | | | | |
|-----------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 |

TRAVE A UNA CAMPATA (portata in kg/m²)



| | | | | | | | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|
| 0.5 | 314 | 216 | 136 | 91 | 64 | 46 | 35 | 27 | 21 | 17 | 13 | 11 | 9 |
| 0.6 | 384 | 266 | 172 | 115 | 81 | 59 | 44 | 34 | 26 | 21 | 17 | 14 | 12 |
| 0.7 | 454 | 315 | 210 | 141 | 99 | 72 | 54 | 41 | 32 | 26 | 21 | 17 | 14 |
| 0.8 | 525 | 365 | 250 | 168 | 118 | 86 | 64 | 49 | 39 | 31 | 25 | 21 | 17 |
| 1.0 | 669 | 465 | 334 | 224 | 157 | 114 | 86 | 66 | 52 | 41 | 34 | 28 | 23 |
| 1.2 | 815 | 566 | 415 | 282 | 198 | 144 | 108 | 83 | 65 | 52 | 42 | 35 | 29 |
| 1.5 | 1034 | 718 | 527 | 374 | 263 | 191 | 144 | 110 | 87 | 69 | 56 | 46 | 39 |

TRAVE A TRE CAMPATE (portata in kg/m²)



| | | | | | | | | | | | | | |
|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| 0.5 | 445 | 309 | 226 | 151 | 106 | 77 | 58 | 45 | 35 | 28 | 23 | 18 | 15 |
| 0.6 | 534 | 370 | 272 | 192 | 135 | 98 | 74 | 57 | 44 | 35 | 29 | 24 | 20 |
| 0.7 | 623 | 432 | 317 | 235 | 165 | 120 | 90 | 69 | 54 | 43 | 35 | 29 | 24 |
| 0.8 | 712 | 494 | 363 | 278 | 196 | 143 | 107 | 82 | 65 | 52 | 42 | 35 | 29 |
| 1.0 | 890 | 618 | 454 | 347 | 262 | 191 | 143 | 110 | 87 | 69 | 56 | 46 | 38 |
| 1.2 | 1068 | 741 | 545 | 417 | 329 | 241 | 181 | 139 | 109 | 87 | 71 | 58 | 49 |
| 1.5 | 1335 | 927 | 681 | 521 | 412 | 319 | 240 | 184 | 145 | 116 | 94 | 78 | 65 |

TRAVE A UNA CAMPATA (freccia in millimetri)

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|
| 3.1 | 4.4 | 6.0 | 7.8 | 9.0 | 10.0 | 10.9 | 11.8 | 12.9 | 13.8 | 14.7 | 16.0 | 16.5 |
|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|

TRAVE A TRE CAMPATE (freccia in millimetri)

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|
| 2.3 | 3.3 | 4.4 | 5.8 | 7.3 | 9.0 | 10.9 | 12.0 | 12.9 | 13.9 | 14.8 | 16.0 | 16.9 |
|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|