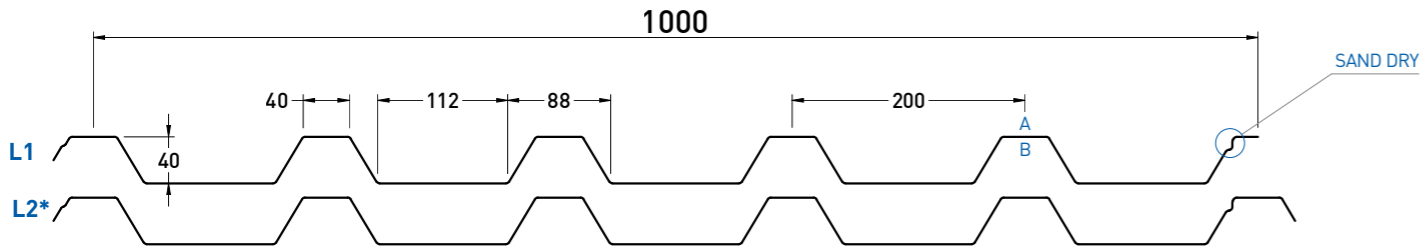


SAND 41



A: lato a vista - front side
B: lato non a vista - back side

Reazione al fuoco Fire reaction CLASS A1 **Comportamento al fuoco dall'esterno External fire performance Broof (t1,t2,t3)**

Senza necessità di sottoporre a prova secondo la norma UNI EN 14782:2006. No lab test is required as per UNI EN 14782:2006.



| Sp. Th. (mm) | DATI STATICI | | STATIC DATA | | PESO | | WEIGHT | |
|--------------|-------------------------|-----------------------------|-----------------------------|-------------------------|-----------------------------|--|--------|--|
| | Jy (cm ² /m) | We inf (cm ³ /m) | We sup (cm ³ /m) | Steel Kg/m ² | Aluminium Kg/m ² | | | |
| 0,50 | 15,23 | 10,74 | 5,90 | 4,91 | 1,69 | | | |
| 0,60 | 18,04 | 12,73 | 6,99 | 5,89 | 2,03 | | | |
| 0,70 | 20,79 | 14,65 | 8,05 | 6,87 | 2,36 | | | |
| 0,80 | 23,46 | 16,52 | 9,09 | 7,85 | 2,70 | | | |
| 1,00 | 28,58 | 20,11 | 11,08 | 9,81 | 3,38 | | | |
| 1,20 | 33,41 | 23,48 | 12,97 | 11,78 | 4,05 | | | |

CURVATURA BENDING

Su richiesta
On request

APPLICAZIONI APPLICATIONS

- SANDnodrip**
Class A2 - s1, d0 Broof (t1,t2,t3)
- SANDcontrol**
Class C - s1, d0 Broof (t1,t2,t3)

FORATURE PERFORATION

- F3 P5 60°**
- F5 P8 60°**

Per maggiori dettagli consultare pagine 112-114

For more details see pages 112-114

| PROFILO PROFILE | NR. GRECHE RIBS NO. | INTERASSE (mm) PITCH (mm) | LARGH. UTILE (mm) USEFUL WIDTH (mm) | LARGH. LASTRA (mm) SHEET WIDTH (mm) | SORMONTO OVERLAP | TIPO SORMONTO KIND OF OVERLAP |
|-----------------|---------------------|---------------------------|-------------------------------------|-------------------------------------|------------------|-------------------------------|
| L1 SAND 41 | 6 | 200 | 1000 | 1035 | 3,50% | |
| L2* SAND 41 | 6 | 200 | 1000 | 1070 | 7,00% | |

Accessori, materiali e colorazioni sono consultabili alle pagine 116-118

Accessories, materials and colors are available on pages 116-118

SAND 41

Tabelle di portata (daN/m²) Load tables (daN/sqm)

steel S250GD

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 830 | 530 | 365 | 265 | 205 | 160 | 125 | 90 | 70 | 55 | | | | | | | | | | | |
| 0,60 | 1120 | 715 | 495 | 360 | 275 | 215 | 155 | 115 | 85 | 65 | 50 | | | | | | | | | | |
| 0,70 | 1365 | 875 | 605 | 440 | 335 | 255 | 180 | 135 | 100 | 80 | 60 | | | | | | | | | | |
| 0,80 | 1620 | 1035 | 715 | 525 | 400 | 295 | 210 | 155 | 120 | 90 | 70 | 55 | | | | | | | | | |
| 1,00 | 2130 | 1365 | 945 | 690 | 525 | 375 | 270 | 200 | 150 | 115 | 90 | 70 | 55 | | | | | | | | |
| 1,20 | 2550 | 1735 | 1200 | 880 | 645 | 450 | 325 | 240 | 180 | 140 | 110 | 85 | 70 | 55 | | | | | | | |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 490 | 345 | 260 | 200 | 160 | 130 | 110 | 90 | 80 | 65 | 55 | 50 | | | | | | | | | |
| 0,60 | 625 | 445 | 330 | 255 | 205 | 170 | 140 | 120 | 100 | 85 | 75 | 65 | 55 | 50 | | | | | | | |
| 0,70 | 775 | 545 | 410 | 320 | 255 | 210 | 175 | 145 | 125 | 105 | 90 | 80 | 70 | 60 | 55 | | | | | | |
| 0,80 | 925 | 655 | 490 | 385 | 305 | 250 | 210 | 175 | 150 | 125 | 110 | 95 | 85 | 75 | 65 | 60 | 50 | | | | |
| 1,00 | 1255 | 890 | 670 | 520 | 420 | 345 | 285 | 235 | 200 | 170 | 150 | 130 | 115 | 100 | 90 | 80 | 70 | 60 | 50 | | |
| 1,20 | 1605 | 1140 | 855 | 670 | 535 | 440 | 360 | 305 | 255 | 220 | 190 | 165 | 145 | 130 | 115 | 105 | 95 | 85 | 75 | 60 | 50 |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 590 | 420 | 315 | 245 | 195 | 160 | 135 | 115 | 95 | 85 | 70 | 65 | 55 | | | | | | | | |
| 0,60 | 755 | 535 | 405 | 315 | 250 | 205 | 175 | 145 | 125 | 110 | 95 | 80 | 65 | 55 | | | | | | | |
| 0,70 | 935 | 665 | 500 | 390 | 315 | 255 | 215 | 180 | 155 | 135 | 115 | 100 | 80 | 65 | 55 | | | | | | |
| 0,80 | 1120 | 800 | 600 | 470 | 375 | 310 | 260 | 220 | 185 | 160 | 140 | 115 | 90 | 75 | 60 | 50 | | | | | |
| 1,00 | 1520 | 1085 | 815 | 640 | 515 | 420 | 355 | 300 | 255 | 220 | 185 | 145 | 120 | 95 | 80 | 65 | 55 | | | | |
| 1,20 | 1945 | 1390 | 1045 | 820 | 660 | 545 | 455 | 380 | 325 | 275 | 220 | 175 | 140 | 115 | 95 | 80 | 65 | 55 | | | |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

In blu sono riportati i carichi per i quali viene raggiunto il limite di deformabilità in esercizio, imposto pari a 1/200 L. Values shown in blue represent loads with serviceability vertical deflection limit reached, set equal to 1/200 L. Calcoli eseguiti in ottemperanza alla norma EN 1993-1-3 (EUROCODICE 3). In nero sono riportati i valori caratteristici di portata in esercizio (SLE). I corrispondenti valori di carico ultimo (SLU) sono ottenibili moltiplicando il carico caratteristico per un coefficiente amplificativo γ=1,5. Quanto indicato nelle tabelle è da considerarsi orientativo: resta competenza del progettista procedere a relativo calcolo analitico di verifica e validazione. Calculations are carried out in compliance with EN 1993-1-3 (EUROCODE 3). In black are shown the characteristic values of serviceability limit state (SLS). The corresponding ultimate limit state values (ULS) can be obtained by multiplying the characteristic load by an amplification factor γ_f=1,5. The values reported in tables must be considered as indicative: it remains the designer's responsibility to carry out the relevant approval verification through analytical calculation.

aluminium alloy 3003

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 590 | 360 | 210 | 135 | 90 | 60 | | | | | | | | | | | | | | | |
| 0,60 | 735 | 435 | 255 | 160 | 105 | 75 | 55 | | | | | | | | | | | | | | |
| 0,70 | 895 | 505 | 295 | 185 | 125 | 85 | 60 | | | | | | | | | | | | | | |
| 0,80 | 1055 | 575 | 335 | 210 | 140 | 100 | 70 | 50 | | | | | | | | | | | | | |
| 1,00 | 1380 | 715 | 415 | 260 | 175 | 120 | 85 | 65 | 50 | | | | | | | | | | | | |
| 1,20 | 1650 | 850 | 495 | 310 | 205 | 145 | 105 | 75 | 55 | | | | | | | | | | | | |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 340 | 245 | 180 | 140 | 110 | 90 | 75 | 60 | 50 | | | | | | | | | | | | |
| 0,60 | 440 | 310 | 230 | 175 | 140 | 110 | 90 | 75 | 65 | 55 | | | | | | | | | | | |
| 0,70 | 540 | 380 | 280 | 215 | 170 | 135 | 115 | 95 | 80 | 70 | 55 | | | | | | | | | | |
| 0,80 | 645 | 450 | 335 | 255 | 200 | 165 | 135 | 110 | 95 | 75 | 60 | 50 | | | | | | | | | |
| 1,00 | 865 | 605 | 445 | 340 | 270 | 220 | 180 | 150 | 125 | 95 | 75 | 60 | 50 | | | | | | | | |
| 1,20 | 1095 | 765 | 565 | 430 | 340 | 275 | 230 | 190 | 145 | 115 | 90 | 70 | 60 | 50 | | | | | | | |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

| Sp. Th. mm | Larghezza appoggio Support width | | | | | | | | | | | | | | | | | | | | |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | L=m | 0,80 | 1,00 | 1,20 | 1,40 | 1,60 | 1,80 | 2,00 | 2,20 | 2,40 | 2,60 | 2,80 | 3,00 | 3,20 | 3,40 | 3,60 | 3,80 | 4,00 | 4,20 | 4,40 | 4,60 |
| 0,50 | 410 | 295 | 220 | 170 | 135 | 110 | 85 | 65 | 50 | | | | | | | | | | | | |
| 0,60 | 525 | 375 | 280 | 215 | 170 | 140 | 105 | 75 | 60 | | | | | | | | | | | | |
| 0,70 | 650 | 460 | 345 | 265 | 210 | 165 | 120 | 90 | 70 | 55 | | | | | | | | | | | |
| 0,80 | 780 | 550 | 410 | 315 | 250 | 190 | 135 | 100 | 80 | 60 | | | | | | | | | | | |
| 1,00 | 1050 | 740 | 545 | 420 | 335 | 235 | 170 | 125 | 95 | 75 | 60 | | | | | | | | | | |
| 1,20 | 1335 | 935 | 690 | 535 | 395 | 275 | 200 | 150 | 115 | 90 | 70 | 55 | | | | | | | | | |
| 1,50 | | | | | | | | | | | | | | | | | | | | | |

In blu sono riportati i carichi per i quali viene raggiunto il limite di deformabilità in esercizio, imposto pari a 1/200 L. Values shown in blue represent loads with serviceability vertical deflection limit reached, set equal to 1/200 L. Calcoli eseguiti in ottemperanza alla norma EN 1999-1-4 (EUROCODICE 9). In nero sono riportati i valori caratteristici di portata in esercizio (SLE). I corrispondenti valori di carico ultimo (SLU) sono ottenibili moltiplicando il carico caratteristico per un coefficiente amplificativo γ=1,5. Quanto indicato nelle tabelle è da considerarsi orientativo: resta competenza del progettista procedere a relativo calcolo analitico di verifica e validazione. Calculations are carried out in compliance with EN 1999-1-4 (EUROCODE 9). In black are shown the characteristic values of serviceability limit state (SLS). The corresponding ultimate limit state values (ULS) can be obtained by multiplying the characteristic load by an amplification factor γ_f=1,5. The values reported in tables must be considered as indicative: it remains the designer's responsibility to carry out the relevant approval verification through analytical calculation.