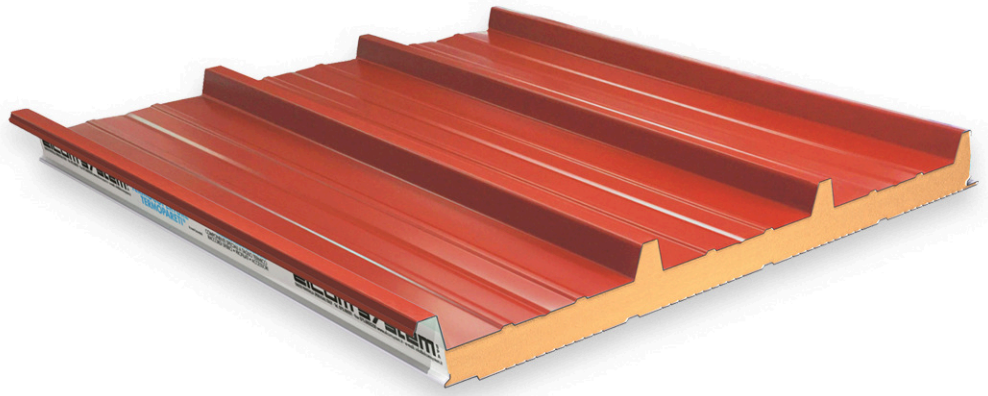
# TERMOCOPERTURA® RP/ST 4G

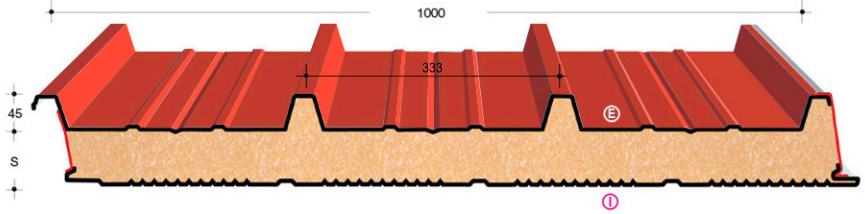
® registered trade name

ENG



**TYPE**
**RP/ST 4G**

S
Thickness mm.
30-40-50
60-80-100-120

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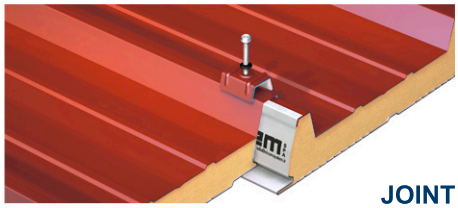
**OPTION**
PIR B-s2,d0
B Roof T3
REI 20
thickness 100 mm only

**Technical characteristics and performances:**

**Supports:** **STEEL** - S 250 GD according UNI EN 10346 norm, mechanical characteristics as D.M. of 14/01/2008 and tolerances according UNI EN 10143 norm
**ALUMINIUM** - UNI EN 1396 with minimum yielding limit 150 Mpa
**COPPER** - UNI EN 1172
**COR-TEN**
**STAINLESS STEEL** - According UNI EN 10088-1 norm
**Insulation:** PUR Density ~ 40 Kg/m3 UNI EN 13165 - PIR UNI EN 13501-1
**Standard panel:** Width mm. 1000



**JOINT**

| THERMIC INSULATION | | | | U.M. | Useful loads uniformely distributed in KG/m² – KN/m² SINGLE SPAN IN m ℓ | | | | |
|---|---|---|---|---|---|---|---|---|---|
| S thickness mm | R m² K/W | U W/m² K | weight Kg/m² | | 2,00 | 2,50 | 3,00 | 3,50 | 4,00 |
| 30 | 1,435 | 0,697 | 7,93 | Kg/m² | 211 | 121 | 75 | 48 | 32 |
| | | | | KN/m² | 2,08 | 1,19 | 0,74 | 0,47 | 0,31 |
| 40 | 1,866 | 0,536 | 8,31 | Kg/m² | 257 | 154 | 98 | 65 | 45 |
| | | | | KN/m² | 2,53 | 1,51 | 0,97 | 0,65 | 0,44 |
| 50 | 2,309 | 0,433 | 8,68 | Kg/m² | 305 | 189 | 124 | 85 | 60 |
| | | | | KN/m² | 3,00 | 1,85 | 1,22 | 0,84 | 0,59 |
| 60 | 2,747 | 0,364 | 9,06 | Kg/m² | 355 | 225 | 152 | 106 | 76 |
| | | | | KN/m² | 3,49 | 2,21 | 1,49 | 1,04 | 0,75 |
| 80 | 3,623 | 0,276 | 9,82 | Kg/m² | 457 | 302 | 210 | 152 | 112 |
| | | | | KN/m² | 4,49 | 2,96 | 2,07 | 1,49 | 1,10 |
| 100 | 4,504 | 0,222 | 10,57 | Kg/m² | 562 | 382 | 273 | 201 | 151 |
| | | | | KN/m² | 5,52 | 3,75 | 2,68 | 1,98 | 1,49 |
| 120 | 5,376 | 0,186 | 11,33 | Kg/m² | 669 | 463 | 337 | 253 | 194 |
| | | | | KN/m² | 6,56 | 4,55 | 3,31 | 2,49 | 1,90 |

**LOAD CONDITIONS WITH STEEL SUPPORTS:**
The values shown in the tables are indicative and referred to a deflection f≤1/200 of the span ℓ (m) for panels with thickness of **STEEL** supports 0,4+0,4 mm.
For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE certification. The letter ⓘ Ⓔ shows the required painted side.

| THERMIC INSULATION | | | | U.M. | CONDIZIONI DI DISTANZA T Useful loads uniformely distributed in KG/m² – KN/m² SINGLE SPAN IN m ℓ | | | | |
|---|---|---|---|---|---|---|---|---|---|
| S thickness mm | R m² K/W | U W/m² K | peso Kg/m² | | 2,00 | 2,50 | 3,00 | 3,50 | 4,00 |
| 30 | 1,435 | 0,697 | 10,76 | Kg/m² | 278 | 160 | 99 | 65 | 43 |
| | | | | KN/m² | 2,73 | 1,58 | 0,98 | 0,64 | 0,42 |
| 40 | 1,866 | 0,536 | 11,13 | Kg/m² | 333 | 200 | 129 | 87 | 60 |
| | | | | KN/m² | 3,27 | 1,96 | 1,27 | 0,86 | 0,59 |
| 50 | 2,309 | 0,433 | 11,51 | Kg/m² | 390 | 242 | 161 | 111 | 79 |
| | | | | KN/m² | 3,83 | 2,38 | 1,58 | 1,09 | 0,78 |
| 60 | 2,747 | 0,364 | 11,89 | Kg/m² | 448 | 285 | 194 | 137 | 99 |
| | | | | KN/m² | 4,40 | 2,80 | 1,91 | 1,35 | 0,98 |
| 80 | 3,623 | 0,276 | 12,64 | Kg/m² | 567 | 376 | 265 | 193 | 144 |
| | | | | KN/m² | 5,57 | 3,69 | 2,60 | 1,90 | 1,42 |
| 100 | 4,504 | 0,222 | 13,40 | Kg/m² | 688 | 469 | 339 | 253 | 193 |
| | | | | KN/m² | 6,76 | 4,61 | 3,33 | 2,49 | 1,90 |
| 120 | 5,376 | 0,186 | 14,15 | Kg/m² | 811 | 565 | 415 | 315 | 244 |
| | | | | KN/m² | 7,96 | 5,54 | 4,08 | 3,09 | 2,40 |

**LOAD CONDITIONS WITH STEEL SUPPORTS:**
The values shown in the tables are indicative and referred to a deflection f≤1/200 of the span ℓ (m) for panels with thickness of **STEEL** supports 0,5+0,5 mm.
For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE certification. The letter ⓘ Ⓔ shows the required painted side.

| THERMIC INSULATION | | | | U.M. | Useful loads uniformely distributed in KG/m² – KN/m² SPAN IN m ℓ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S thickness mm | R m² K/W | U W/m² K | weight Kg/m² | | 1,50 | 2,00 | 2,50 | 3,00 | 3,50 | weight Kg/m² | 1,50 | 2,00 | 2,50 | 3,00 | 3,50 |
| 30 | 1,435 | 0,697 | 7,5 | Kg/m² | 285 | 185 | 120 | 70 | 40 | 5,0 | 265 | 165 | 101 | 58 | 30 |
| | | | | KN/m² | 2,81 | 1,81 | 1,18 | 0,69 | 0,39 | | 2,60 | 1,62 | 1,00 | 0,57 | 0,30 |
| 40 | 1,866 | 0,536 | 7,9 | Kg/m² | 355 | 230 | 160 | 96 | 60 | 5,4 | 315 | 203 | 132 | 76 | 48 |
| | | | | KN/m² | 3,50 | 2,25 | 1,57 | 0,94 | 0,59 | | 3,10 | 2,00 | 1,30 | 0,75 | 0,48 |
| 50 | 2,309 | 0,433 | 8,3 | Kg/m² | 417 | 278 | 197 | 125 | 80 | 5,8 | 365 | 244 | 168 | 101 | 63 |
| | | | | KN/m² | 4,10 | 2,72 | 1,93 | 1,22 | 0,78 | | 3,60 | 2,40 | 1,65 | 1,00 | 0,62 |
| 60 | 2,747 | 0,364 | 8,7 | Kg/m² | 468 | 325 | 237 | 157 | 104 | 6,2 | 428 | 285 | 203 | 127 | 83 |
| | | | | KN/m² | 4,60 | 3,18 | 2,32 | 1,54 | 1,02 | | 4,20 | 2,80 | 2,00 | 1,25 | 0,82 |
| 80 | 3,623 | 0,276 | 9,5 | Kg/m² | 509 | 430 | 315 | 225 | 155 | 7,0 | 489 | 387 | 275 | 183 | 117 |
| | | | | KN/m² | 5,00 | 4,21 | 3,09 | 2,20 | 1,52 | | 4,80 | 3,80 | 2,70 | 1,80 | 1,15 |
| 100 | 4,504 | 0,222 | 10,3 | Kg/m² | 565 | 452 | 342 | 286 | 215 | 7,8 | 540 | 431 | 316 | 262 | 195 |
| | | | | KN/m² | 5,53 | 4,43 | 3,35 | 2,80 | 2,11 | | 5,29 | 4,23 | 3,01 | 2,57 | 1,91 |
| 120 | 5,376 | 0,186 | 11,0 | Kg/m² | 635 | 525 | 415 | 330 | 260 | 8,6 | 612 | 510 | 398 | 306 | 238 |
| | | | | KN/m² | 6,23 | 5,15 | 4,02 | 3,24 | 2,55 | | 6,01 | 5,01 | 3,90 | 3,03 | 2,33 |

**LOAD CONDITIONS:** **WITH Ⓔ ALUMINIUM SUPPORT 0,6 mm ⓘ STEEL 0,5 mm** | **WITH Ⓔ ALUMINIUM SUPPORT 0,6 mm ⓘ ALUMINIUM 0,6 mm**

The values shown in the tables are indicative and referred to a deflection f≤1/200 of the span ℓ (m). For sizing and checking refer to the enclosed E of the UNI EN 14509 Norm and to the values shown in the CE certification. The letter ⓘ Ⓔ shows the required painted side.

PANELS elcom system ITALY

ED. 07/21