

MT 1000

WALL

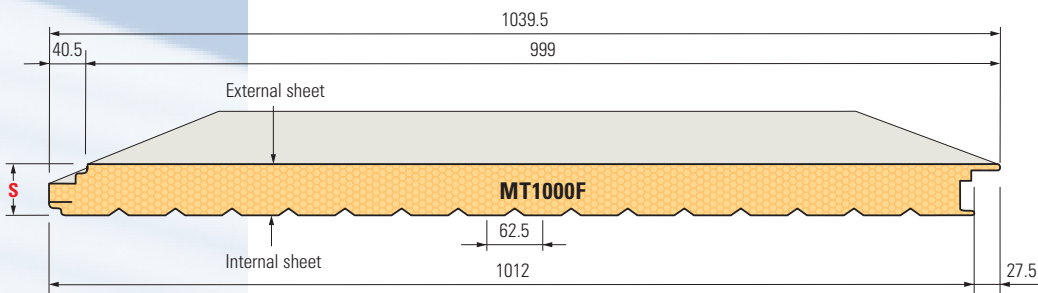
ECONOMIC



Self-supporting insulated metal panels system, with hidden fastening for high quality aesthetic finish, suitable for use on industrial and commercial developments, as well as internal building partitions.

Because of the particular shape of the joint, blind fastening are applied to the V-cut on the male edge of the outside sheet. Two screws with center distance of 30 mm should be used for each panel and each stud.

Panels can only be mounted vertically.

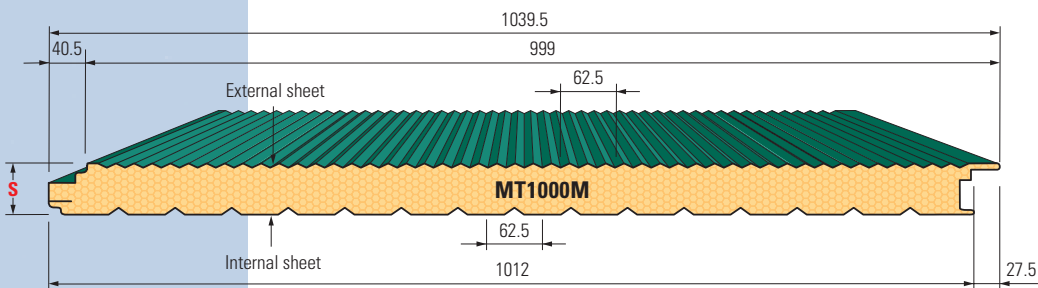
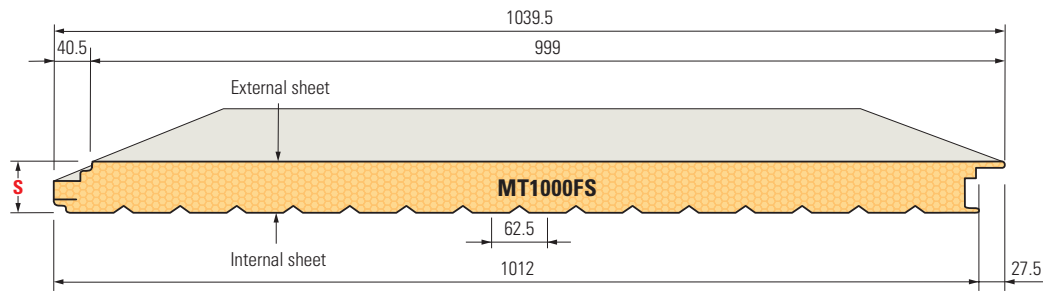


MT 1000 F

Smooth flat wall panel
(Horizontal or Vertical)

MT 1000 FS

Stucco Embossed flat wall panel
(Horizontal or Vertical)

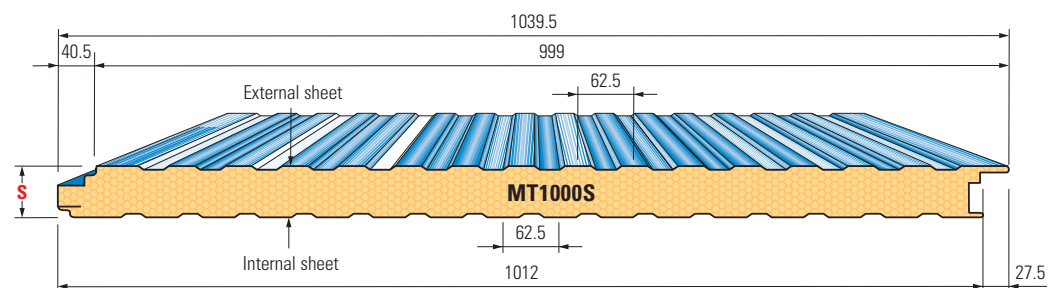


MT 1000 M

Micro-rib wall panel
(Horizontal or Vertical)

MT 1000 S

Standard wall panel
(Horizontal or Vertical)



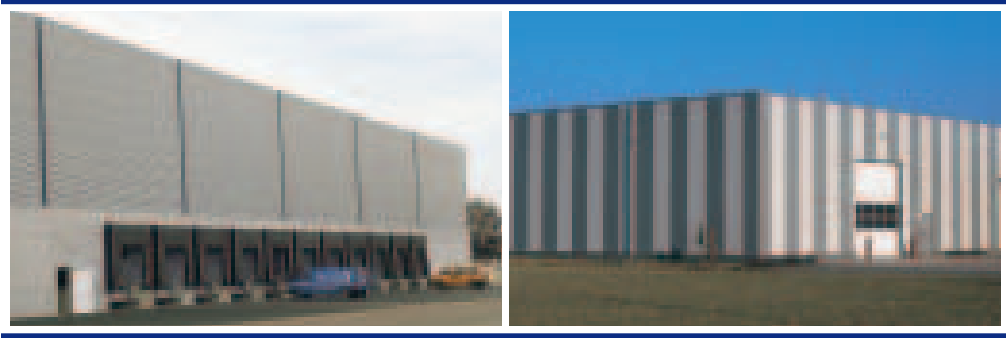


Table of safe spans

Values guaranteed with steel sheets as thick as indicated. *l* spans (in metres), relevant to a uniformly distributed load *p* (daN/m²) were calculated, based on experimental data, in such a way as to guarantee a deflection $f \leq l/200$ and a safety coefficient that complies with the UEAtc standards for insulated panels, which have been established and are implemented by primary European Certifying Organizations. For safe spans relevant to negative loads, please contact METECNO.

steel - steel (thickness 0,5 + 0,4)

| S mm | K | | Panel weight kg/m ² 0,5 + 0,4 | $p = (\text{daN/m}^2)$ | | | | | | | | | | |
|---------|-----------------------------|---------------------------|--|----------------------------|------|------|------|------|------|------|------|------|------|------|
| | Kcal m ² h °C | Watt m ² °C | | 60 | 80 | 100 | 120 | 150 | 60 | 80 | 100 | 120 | 150 | |
| 40 | 0,43 | 0,50 | 9,28 | <i>l</i> = | 3,40 | 3,20 | 3,00 | 2,80 | 2,50 | 3,10 | 2,90 | 2,70 | 2,50 | 2,20 |
| 50 | 0,35 | 0,41 | 9,66 | <i>l</i> = | 3,90 | 3,65 | 3,40 | 3,10 | 2,75 | 3,45 | 3,20 | 2,95 | 2,75 | 2,40 |
| 60 | 0,29 | 0,34 | 10,04 | <i>l</i> = | 4,40 | 4,10 | 3,75 | 3,45 | 3,00 | 3,80 | 3,55 | 3,30 | 3,00 | 2,60 |
| 80 | 0,22 | 0,26 | 10,80 | <i>l</i> = | 5,20 | 4,65 | 4,25 | 3,90 | 3,35 | 4,50 | 4,00 | 3,70 | 3,35 | 2,90 |
| 100 | 0,18 | 0,21 | 11,56 | <i>l</i> = | 5,80 | 5,15 | 4,75 | 4,30 | 3,70 | 4,90 | 4,45 | 4,10 | 3,75 | 3,20 |
| 120 | 0,15 | 0,18 | 12,32 | <i>l</i> = | 6,40 | 5,70 | 5,25 | 4,75 | 4,05 | 5,50 | 4,90 | 4,50 | 4,10 | 3,50 |

aluminium - aluminium (thickness 0,6 + 0,6)

| S mm | K | | Panel weight kg/m ² 0,6 + 0,6 | $p = (\text{daN/m}^2)$ | | | | | | | | | | |
|---------|-----------------------------|---------------------------|--|----------------------------|------|------|------|------|------|------|------|------|------|------|
| | Kcal m ² h °C | Watt m ² °C | | 60 | 80 | 100 | 120 | 150 | 60 | 80 | 100 | 120 | 150 | |
| 40 | 0,43 | 0,50 | 5,07 | <i>l</i> = | 2,75 | 2,39 | 2,11 | 1,90 | 1,66 | 2,34 | 2,06 | 1,84 | 1,67 | 1,49 |
| 50 | 0,35 | 0,41 | 5,45 | <i>l</i> = | 3,26 | 2,84 | 2,52 | 2,27 | 1,99 | 2,76 | 2,44 | 2,19 | 1,99 | 1,77 |
| 60 | 0,29 | 0,34 | 5,83 | <i>l</i> = | 3,74 | 3,26 | 2,90 | 2,62 | 2,32 | 3,16 | 2,79 | 2,51 | 2,29 | 2,04 |
| 80 | 0,22 | 0,26 | 6,59 | <i>l</i> = | 4,34 | 3,78 | 3,36 | 3,04 | 2,69 | 3,79 | 3,35 | 3,01 | 2,75 | 2,45 |
| 100 | 0,18 | 0,21 | 7,35 | <i>l</i> = | 4,86 | 4,24 | 3,77 | 3,41 | 3,02 | 4,30 | 3,79 | 3,41 | 3,11 | 2,77 |
| 120 | 0,15 | 0,18 | 8,11 | <i>l</i> = | 5,31 | 4,63 | 4,12 | 3,72 | 3,29 | 4,74 | 4,19 | 3,77 | 3,44 | 3,06 |

