



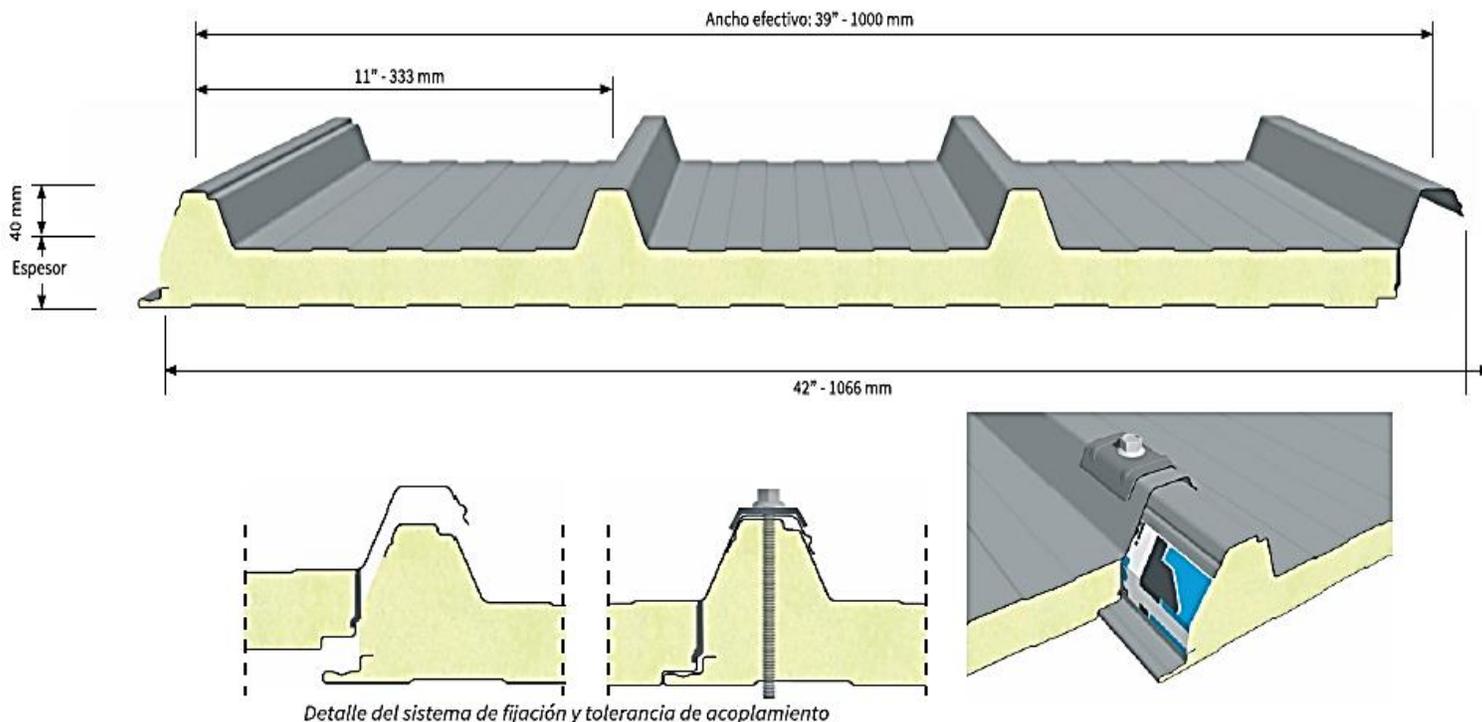
Materiales Verdes

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A decorative horizontal bar consisting of a red segment on the left and a black segment on the right, positioned below the website URL.

MATERIALES VERDES/ MULTYPANEL

ISOCOP 4 (Panel de techo)



PESO DEL PANEL

| Espesor Láminas Calibre | Espesor nominal del panel | | | | | | | | | |
|-------------------------|---------------------------|------|-------|------|-------|-------|------|-------|-------|------|
| | in | 1" | 1"1/2 | 2" | 2"1/2 | 3" | 4" | 5" | 6" | 8" |
| mm | 25,4 | 38,1 | 50,8 | 63,5 | 76,2 | 101,4 | 127 | 152,4 | 203,2 | |
| 26 / 28 | kg/m ² | 8,7 | 9,2 | 9,7 | 10,2 | 10,7 | 11,8 | 13,0 | 14,0 | 15,7 |
| 26 / 26 | kg/m ² | 9,6 | 10,1 | 10,6 | 11,1 | 11,6 | 12,6 | 13,8 | 14,8 | 16,2 |
| 24 / 26 | kg/m ² | 10,5 | 11,0 | 11,5 | 12,0 | 12,5 | 13,5 | 14,6 | 15,8 | 17,3 |
| 24 / 24 | kg/m ² | 11,4 | 11,9 | 12,4 | 12,9 | 13,4 | 14,4 | 15,6 | 16,6 | 18,4 |

AISLAMIENTO TÉRMICO

Según la nueva norma EN 14509 A.10

Según el método de cálculo EN ISO 6946

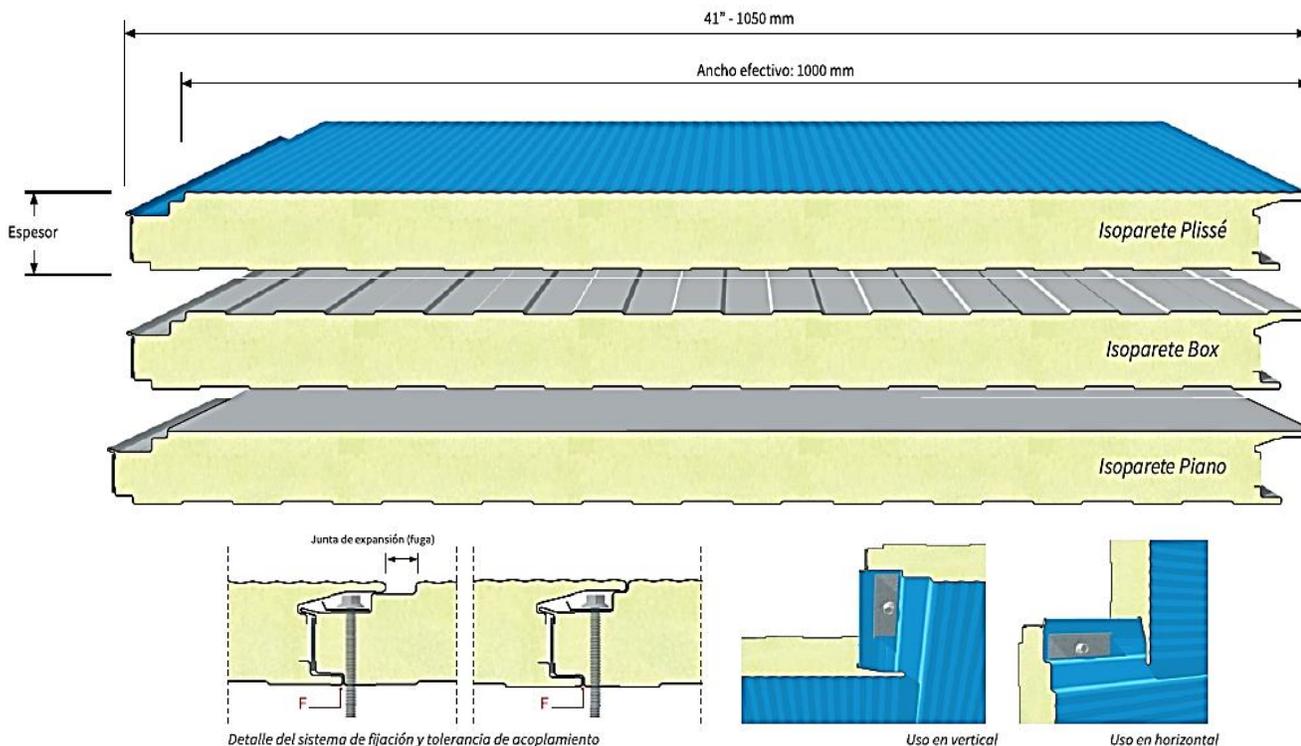
| U | Espesor nominal del panel | | | | | | | | | |
|---------------------------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | in | 1" | 1"1/2 | 2" | 2"1/2 | 3" | 4" | 5" | 6" | 8" |
| mm | 25,4 | 38,1 | 50,8 | 63,5 | 76,2 | 101,6 | 127 | 152,4 | 203,2 | |
| W/m ² ·K | 0,81 | 0,56 | 0,42 | 0,34 | 0,28 | 0,21 | 0,17 | 0,14 | 0,12 | |
| Kcal/m ² ·h·°C | 0,14 | 0,10 | 0,07 | 0,06 | 0,05 | 0,04 | 0,03 | 0,02 | 0,01 | |
| R | m ² ·K/W | 1,23 | 1,79 | 2,38 | 2,94 | 3,57 | 4,76 | 5,88 | 7,14 | 9,8 |
| | H·ft ² ·F/Btu | 7,01 | 10,14 | 13,52 | 16,70 | 20,28 | 27,04 | 33,40 | 40,56 | 55,20 |

| K | Espesor nominal del panel | | | | | | | | | |
|---------------------------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | in | 1" | 1"1/2 | 2" | 2"1/2 | 3" | 4" | 5" | 6" | 8" |
| mm | 25,4 | 38,1 | 50,8 | 63,5 | 76,2 | 101,6 | 127 | 152,4 | 203,2 | |
| W/m ² ·K | 0,62 | 0,42 | 0,37 | 0,31 | 0,26 | 0,20 | 0,17 | 0,14 | 0,11 | |
| Kcal/m ² ·h·°C | 0,11 | 0,07 | 0,07 | 0,05 | 0,05 | 0,04 | 0,03 | 0,02 | 0,01 | |
| R | m ² ·K/W | 1,61 | 2,38 | 2,70 | 3,23 | 3,85 | 5,00 | 5,88 | 7,14 | 9,85 |
| | H·ft ² ·F/Btu | 9,16 | 13,52 | 15,35 | 18,32 | 21,84 | 28,39 | 33,40 | 40,56 | 56,40 |

*Panel en stock en hoja de 12m de longitud

MATERIALES VERDES/ MULTYPANEL

ISOPARETE BOX (Panel de muro)



PESO DEL PANEL

| Espesor Láminas Calibre | Espesor nominal del panel | | | | | | | |
|-------------------------|---------------------------|--------|------|--------|------|-------|------|-------|
| | in | 1" 5/8 | 2" | 2" 1/2 | 3" | 4" | 5" | 6" |
| 26 / 28 | mm | 41,3 | 50,8 | 63,5 | 76,2 | 101,6 | 127 | 152,4 |
| 26 / 26 | kg/m ² | 9,2 | 9,6 | 10,0 | 10,6 | 11,3 | 12,6 | 13,6 |
| 24 / 26 | kg/m ² | 10,0 | 10,4 | 10,9 | 11,4 | 12,2 | 13,4 | 14,4 |
| 24 / 24 | kg/m ² | 11,9 | 11,3 | 11,8 | 12,3 | 13,3 | 14,3 | 15,3 |
| | kg/m ² | 11,8 | 12,1 | 12,6 | 13,2 | 13,9 | 15,1 | 16,2 |

AISLAMIENTO TÉRMICO

Según la nueva norma EN 14509 A.10

| U | Espesor nominal del panel | | | | | | | |
|--------------------------|---------------------------|--------|-------|--------|-------|-------|-------|-------|
| | in | 1" 5/8 | 2" | 2" 1/2 | 3" | 4" | 5" | 6" |
| | mm | 41,3 | 50,8 | 63,5 | 76,2 | 101,6 | 127 | 152,4 |
| W/m ² K | | 0,57 | 0,47 | 0,39 | 0,32 | 0,23 | 0,18 | 0,15 |
| Kcal/m ² h °c | | 0,10 | 0,08 | 0,07 | 0,06 | 0,04 | 0,03 | 0,03 |
| R | m ² K/W | 1,75 | 2,11 | 2,60 | 3,13 | 4,33 | 5,56 | 6,67 |
| | H ft ² F/Btu | 9,93 | 12,00 | 14,75 | 17,80 | 24,58 | 31,55 | 37,86 |

Según el método de cálculo EN ISO 6946

| K | Espesor nominal del panel | | | | | | | |
|--------------------------|---------------------------|--------|-------|--------|-------|-------|-------|-------|
| | in | 1" 5/8 | 2" | 2" 1/2 | 3" | 4" | 5" | 6" |
| | mm | 41,3 | 50,8 | 63,5 | 76,2 | 101,6 | 127 | 152,4 |
| W/m ² K | | 0,54 | 0,44 | 0,36 | 0,31 | 0,22 | 0,17 | 0,14 |
| Kcal/m ² h °c | | 0,09 | 0,08 | 0,06 | 0,05 | 0,04 | 0,03 | 0,02 |
| R | m ² K/W | 1,86 | 2,27 | 2,75 | 3,25 | 4,54 | 5,88 | 7,14 |
| | H ft ² F/Btu | 10,53 | 12,91 | 15,64 | 18,44 | 25,75 | 33,40 | 40,56 |

**Panel en stock en hoja de 12m de longitud*

MATERIALES VERDES

MultyPanel / ISOCINDU

Isocop 4 (Techo Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|--|-------------------|
| 26/28 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 26/26 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 24/26 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 24/24 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |

Isogrecata 4 (Techo Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|---|--|
| 28 | 1.00 | $\frac{3}{8}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/aluminio centesimal gofrado |
| 26 | 1.00 | $\frac{3}{8}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/aluminio centesimal gofrado |
| 24 | 1.00 | $\frac{3}{8}$, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/aluminio centesimal gofrado |

Isodeck Synth 4 (Techo Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|---|----------------------------------|
| 28 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/capa sintetica de PVC |
| 26 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/capa sintetica de PVC |
| 24 | 1.00 | 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/capa sintetica de PVC |

Isovinile 4 (Techo Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|---|-------------------------------------|
| 28 | 1.00 | $\frac{3}{8}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/laminado de vinil blanco |
| 26 | 1.00 | $\frac{3}{8}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/laminado de vinil blanco |
| 24 | 1.00 | $\frac{3}{8}$, 1, 1 $\frac{1}{2}$, 2, 2 $\frac{1}{2}$ | Lam Pintro/laminado de vinil blanco |

Isoparete Box, Isoparete Plissé (Muros Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|---|-------------------|
| 26/28 | 1.00 | 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 26/26 | 1.00 | 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 24/26 | 1.00 | 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |
| 24/24 | 1.00 | 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4 | Lam Pintro/Pintro |

Isobox, Isobox Plissé, Isopiano (Muros Isocindu)

| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) | ACABADO |
|---------|-------------------------|--|-------------------|
| 26/26 | 1.00 | 1 $\frac{1}{2}$, 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4, 5 | Lam Pintro/Pintro |
| 24/26 | 1.00 | 1 $\frac{1}{2}$, 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4, 5 | Lam Pintro/Pintro |
| 24/24 | 1.00 | 1 $\frac{1}{2}$, 1 $\frac{5}{8}$, 2, 2 $\frac{1}{2}$, 3, 4, 5 | Lam Pintro/Pintro |

*Isopiano solo calibre 24

Isobox Frigo, Isoparete Frigo (Muros Isocindu)

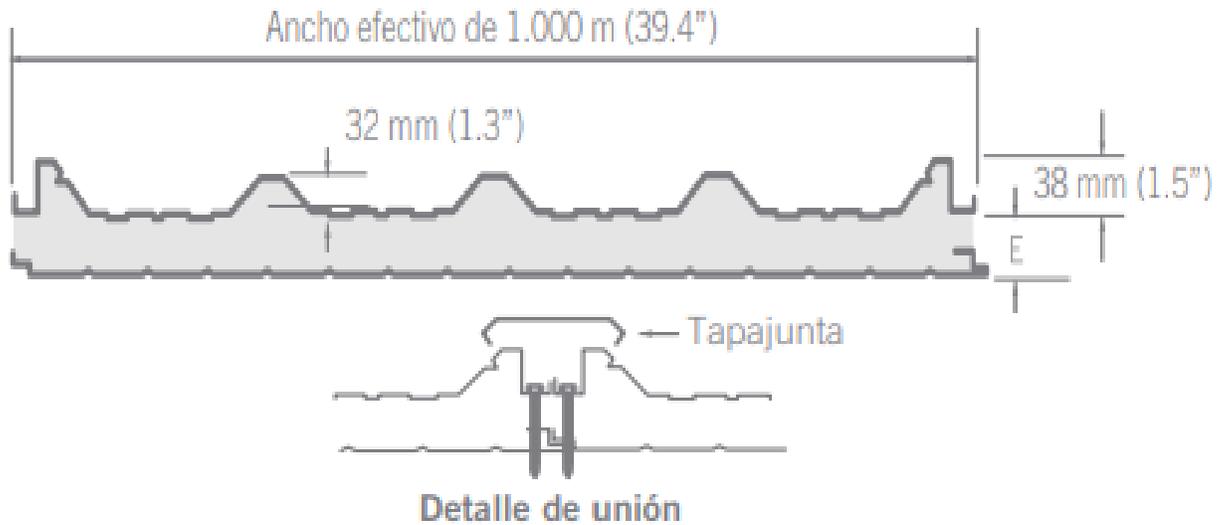
| CALIBRE | PODER CUBRIENTE (metro) | ESPEJOR (pulgadas) Isobox Frigo | ESPEJOR (pulgadas) Isoparete Frigo | ACABADO |
|---------|-------------------------|------------------------------------|---------------------------------------|-------------------|
| 28/28 | 1.00 | 3, 4, 5 | 3, 4 | Lam Pintro/Pintro |
| 26/26 | 1.00 | 3, 4, 5 | 3, 4 | Lam Pintro/Pintro |
| 24/26 | 1.00 | 3, 4, 5 | 3, 4 | Lam Pintro/Pintro |

Las dimensiones, pesos y tolerancias señalados, son teoricos (Puede haber una variacion fisica del producto)

MATERIALES VERDES/ MULTYPANEL

Multytecho (Ternium)

Ternium Multytecho



Propiedades de la sección

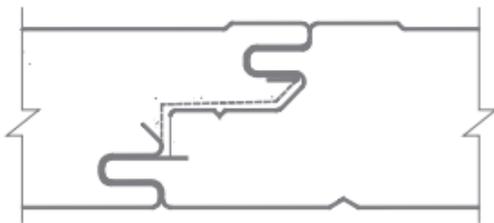
| Espesor mm (pulg) | Factores de aislamiento | | Peso aprox. Kg/M ² Cal. 26/26 |
|-------------------------|-------------------------------|--------------------------------|--|
| | R hrFT ² °F/BTU | U BTU/ hrFT ² °F | |
| 25.4 (1") | 6.67 | 0.150 | 10.02 |
| 38.1 (1.5") | 10.00 | 0.100 | 10.52 |
| 50.8 (2") | 13.33 | 0.075 | 10.91 |
| 63.5 (2.5") | 16.75 | 0.060 | 11.39 |
| 76.2 (3") | 20.13 | 0.050 | 11.88 |
| 101.6 (4") | 26.85 | 0.037 | 12.84 |
| 127 (5") | 33.56 | 0.030 | 13.80 |
| 152.4 (6") | 40.27 | 0.025 | 14.85 |

MATERIALES VERDES/ MULTYPANEL

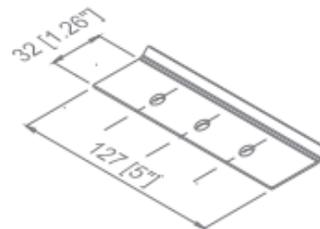
Multymuro (Ternium)



* El panel de 1.5" no requiere clip de fijación.



Detalle unión



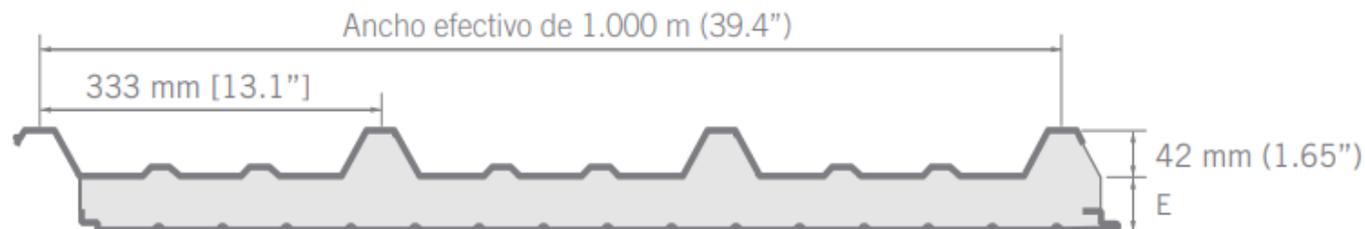
Clip de fijación

Propiedades de la sección

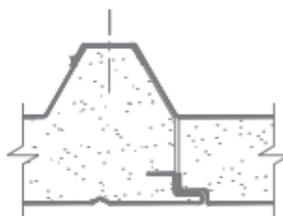
| Espesor mm (pulg) | Factores de aislamiento | | Peso aprox. Kg/M ² Cal. 26/26 |
|-------------------------|-------------------------------|--------------------------------|--|
| | R hrFT ² °F/BTU | U BTU/ hrFT ² °F | |
| 38.1 (1.5") | 10.0 | 0.100 | 10.09 |
| 50.8 (2") | 13.33 | 0.075 | 10.56 |
| 63.5 (2.5") | 16.75 | 0.060 | 11.04 |
| 76.2 (3") | 20.13 | 0.050 | 11.52 |
| 101.6 (4") | 26.85 | 0.037 | 12.49 |
| 127.0 (5") | 33.56 | 0.030 | 13.71 |
| 152.4 (6") | 40.27 | 0.025 | 14.72 |

MATERIALES VERDES/ MULTYPANEL

Galvatecho (Ternium)



Detalle unión



Propiedades de la sección

| Espesor mm (pulg) | Factores de aislamiento | | Peso aprox. Kg/M ² Cal. 26/26 | Peso aprox. Kg/M ² Cal. 26/28 |
|-------------------------|-------------------------------|--------------------------------|--|--|
| | R hrFT ² °F/BTU | U BTU/ hrFT ² °F | | |
| 25.4 (1") | 6.67 | 0.150 | 10.09 | 9.45 |
| 38.1 (1.5") | 10.00 | 0.100 | 10.60 | 9.96 |
| 50.8 (2") | 13.33 | 0.075 | 10.99 | 10.35 |
| 63.5 (2.5") | 16.75 | 0.060 | 11.47 | 10.83 |
| 76.2 (3") | 20.13 | 0.050 | 11.95 | 11.31 |
| 101.6 (4") | 26.85 | 0.037 | 12.92 | 12.28 |

MATERIALES VERDES/ MULTYPANEL

Multypanel (Ternium)

Ternium Multytecho

| CALIBRE | PODER C (mts) | ESPEJOR (pulg) | ACABADO |
|---------|---------------|--------------------------|---------|
| 26/26 | 1.000 | 1, 1.5, 2, 2.5, 3, 4.5,6 | Pnt/Pnt |

Ternium Galvatecho

| CALIBRE | PODER C (cm) | ESPEJOR (pulg) | ACABADO |
|--------------|--------------|----------------|---------|
| 26/26, 26/28 | 1.000 | 2, 5, 3, 4 | Pnt/Pnt |

Ternium Econotecho

| CALIBRE | PODER C (cm) | ESPEJOR (pulg) | ACABADO |
|---------|--------------|----------------|-----------|
| 26 | 1.000 | 1, 1.5, 2 | Pnt/Kraft |

Ternium Multymuro Micro V, Mesa, Stuko

| CALIBRE | PODER C (cm) | ESPEJOR (pulg) | ACABADO |
|---------|--------------|-------------------------|---------|
| 26 | 42" | 1.5, 2, 2.5, 3, 4, 5, 6 | Pnt/Pnt |

Ternium Economuro

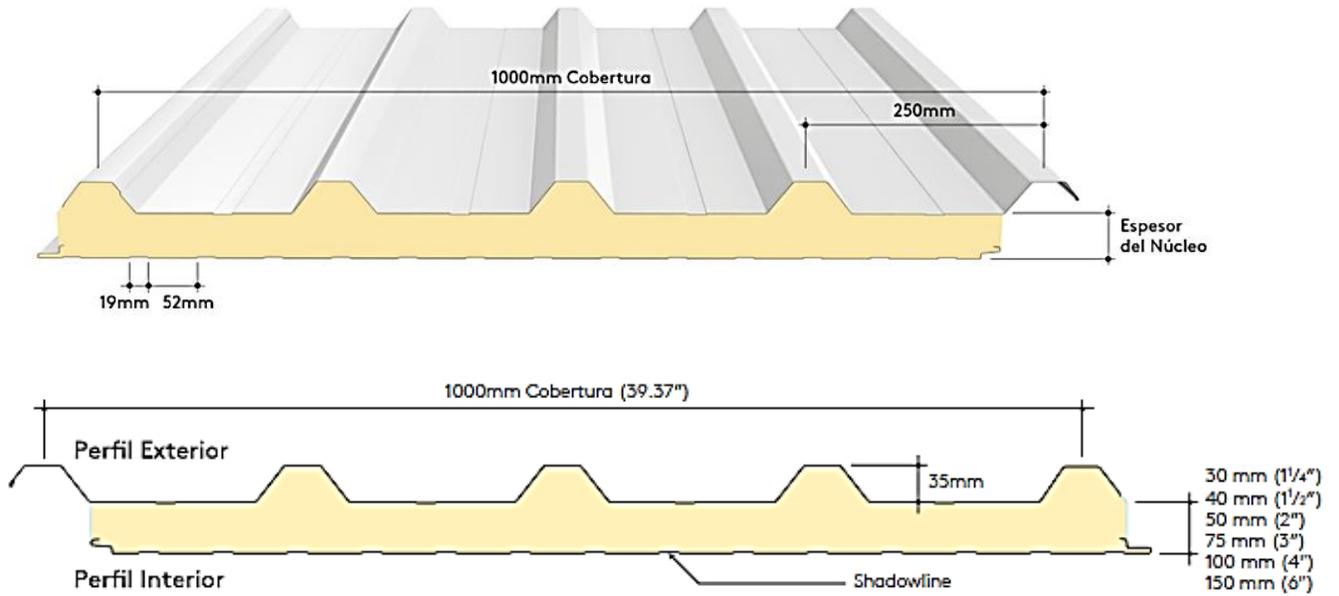
| CALIBRE | PODER C (cm) | ESPEJOR (pulg) | ACABADO |
|---------|--------------|----------------|-----------|
| 26 | 1.07 | 1.5, 2 | Pnt/Kraft |

Ternium Arkirib

| CALIBRE | PODER C (cm) | ESPEJOR (pulg) | ACABADO |
|---------|--------------|----------------|---------|
| 22/26 | 1.07 | 2 | Kyn/Pnt |

MATERIALES VERDES/ MULTYPANEL

KingCrown (Panel de techo-Kingspan)



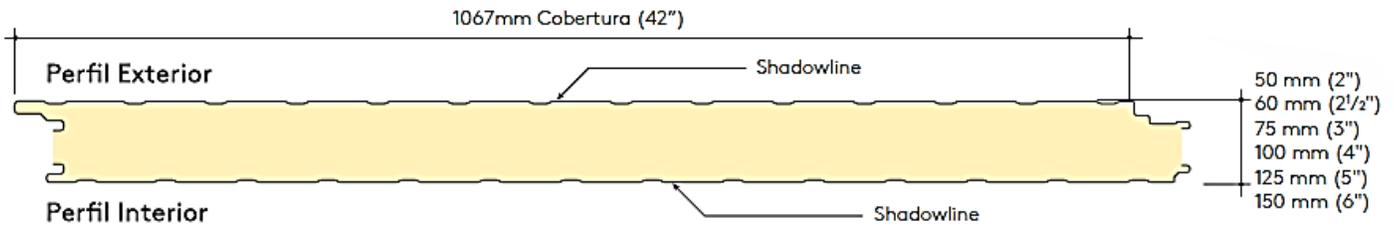
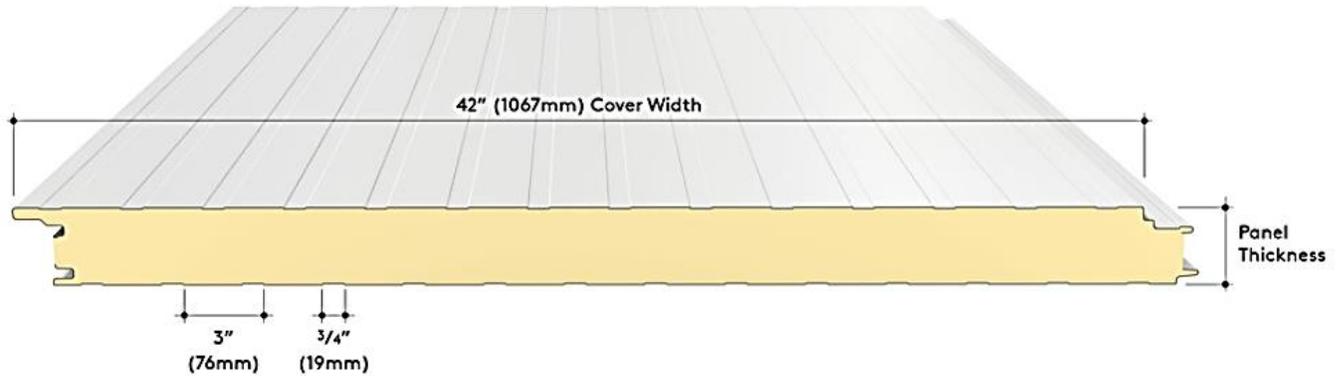
Espuma aislante de Poliisocianurato (PIR) con densidad de 34-39 kg/m³

Capacidades de carga (kg/m²)

| Espesor mm | Valor-R | | Factor-U | | Peso kg/m ² | Espaciamiento Sencillo (mts) | | | | | | Espaciamiento Doble (mts) | | | | | | | | | |
|---------------|---------------------|-----------------------------|---------------------|-------------------------------|---------------------------|------------------------------|------|------|------|------|------|---------------------------|------|------|------|------|------|------|------|------|------|
| | m ² ·K/W | ft ² ·°F·hr /Btu | W/m ² ·K | Btu/ (hr·°F·ft ²) | | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.50 |
| 30 (1 ¼") | 1.59 | 9.0 | 0.630 | 0.111 | 12.3 | 234 | 132 | 84 | 58 | 43 | 33 | | 256 | 187 | 131 | 94 | 70 | 55 | 44 | 36 | |
| 40 (1 ½") | 1.90 | 10.8 | 0.525 | 0.093 | 12.5 | 234 | 132 | 84 | 58 | 43 | 33 | | 256 | 187 | 131 | 94 | 70 | 55 | 44 | 36 | |
| 50 (2") | 2.54 | 14.4 | 0.394 | 0.069 | 13.0 | 292 | 190 | 127 | 84 | 62 | 47 | 37 | 30 | 264 | 191 | 150 | 123 | 97 | 76 | 61 | 50 |
| 75 (3") | 3.81 | 21.6 | 0.263 | 0.046 | 14.0 | 425 | 315 | 201 | 140 | 102 | 78 | 62 | 50 | 332 | 241 | 188 | 154 | 130 | 112 | 99 | 81 |
| 100 (4") | 5.08 | 28.8 | 0.197 | 0.035 | 15.0 | 505 | 372 | 238 | 165 | 121 | 93 | 73 | 59 | 339 | 247 | 192 | 157 | 133 | 115 | 101 | 90 |
| 150 (6") | 7.62 | 43.2 | 0.131 | 0.023 | 17.0 | 724 | 543 | 394 | 274 | 201 | 154 | 121 | 98 | 344 | 252 | 196 | 160 | 135 | 117 | 102 | 91 |

MATERIALES VERDES/ MULTYPANEL

ShadowLine (Panel de muro-Kingspan)



Espuma aislante de Poliisocianurato (PIR) con densidad de 34-39 kg/m³

Capacidades de Carga (kg/m²)

| Espesor | Valor-R | | Factor-U | | Peso | Espaciamiento Sencillo (mts) | | | | | | | | Espaciamiento Doble (mts) | | | | | | | |
|-------------|---------------------|-----------------------------|---------------------|------------------------------|------|------------------------------|------|------|------|------|------|------|------|---------------------------|------|------|------|------|------|------|------|
| | m ² .K/W | ft ² .°F.hr /Btu | W/m ² .K | Btu/(hr.°F.ft ²) | | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 1.50 | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 |
| 50 (2") | 2.54 | 14.4 | 0.394 | 0.069 | 12.5 | 202 | 151 | 121 | 101 | 76 | 56 | 32 | 221 | 161 | 126 | 103 | 88 | 76 | 67 | 55 | |
| 60 (2 1/2") | 3.17 | 18.0 | 0.315 | 0.056 | 13.0 | 203 | 152 | 122 | 101 | 87 | 76 | 61 | 47 | 225 | 163 | 128 | 104 | 88 | 77 | 68 | 61 |
| 75 (3") | 3.81 | 21.6 | 0.263 | 0.046 | 13.5 | 205 | 153 | 123 | 102 | 87 | 76 | 68 | 61 | 225 | 165 | 129 | 105 | 89 | 77 | 68 | 61 |
| 100 (4") | 5.08 | 28.8 | 0.197 | 0.035 | 14.5 | 208 | 156 | 124 | 104 | 89 | 78 | 69 | 62 | 224 | 168 | 131 | 107 | 90 | 78 | 69 | 61 |
| 125 (5") | 6.35 | 36.0 | 0.158 | 0.028 | 15.5 | 218 | 163 | 131 | 109 | 93 | 81 | 72 | 65 | 230 | 172 | 134 | 110 | 92 | 80 | 70 | 62 |
| 150 (6") | 7.62 | 43.2 | 0.131 | 0.023 | 16.5 | 228 | 171 | 132 | 114 | 96 | 85 | 76 | 68 | 237 | 174 | 136 | 111 | 93 | 80 | 71 | 63 |

MATERIALES VERDES

Vitroterm (Colcha de fibra de vidrio)

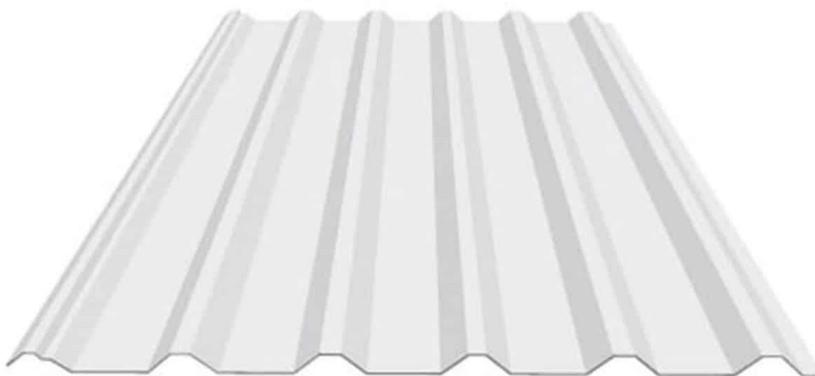
Rollo flexible de aislamiento térmico, fabricado con fibras de vidrio aglutinadas con resinas termofijas recubierta con una barrera de vapor (vinil satinado). Instalado presenta una agradable apariencia y por su baja conductividad térmica es el aislamiento recomendado para naves comerciales e industriales.



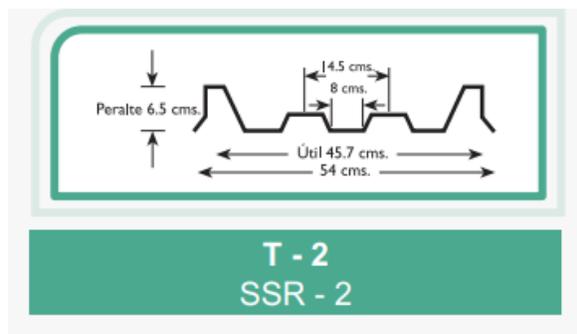
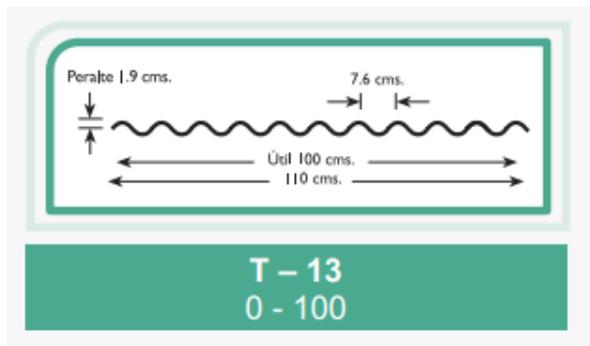
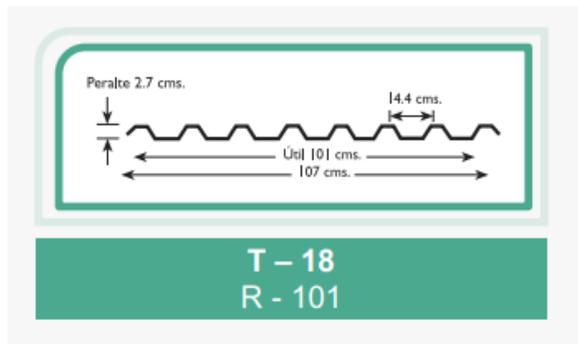
| VITROTERM | | | | |
|-----------|-------------|-------------|--------------------|--------------------|
| MATERIAL | LARGO (mts) | ANCHO (mts) | ESPEJOR (Pulgadas) | FACTOR NOMINAL "R" |
| MBI R-10 | 30.48 | 1.83 | 3.0 | 10 |

Lámina Acrílica

Laminado plástico que combina la transmisión de luz y la durabilidad del acrílico con la alta resistencia mecánica, especialmente al impacto, que ofrece su refuerzo de fibra de vidrio. En color blanco ofrece una transmisión de luz del 55%.



MATERIALES VERDES



Placa Foamular



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*Las dimensiones, pesos y tolerancias señalados, son teóricos (Puede haber una variación física del producto)

MATERIALES VERDES

| VITROTERM | | | | |
|-----------------------|-------------|-------------|--------------------|--------------------|
| MATERIAL | LARGO (mts) | ANCHO (mts) | ESPESOR (Pulgadas) | FACTOR NOMINAL "R" |
| Poliestireno extruido | 2.44 | 1.22 | 3/4" | 3.75 |
| | 2.44 | 1.22 | 1.0" | 5.0 |
| | 2.44 | 1.22 | 1 1/2" | 7.5 |
| | 2.44 | 1.22 | 2.0" | 10 |
| | 2.44 | 1.22 | 2 1/2" | 12.5 |
| | 2.44 | 1.22 | 3.0" | 15 |
| | 2.44 | 1.22 | 4.0" | 20 |

| Valores Certificados por ONNCCE de acuerdo a la NOM-018-ENER-2011 | |
|---|---|
| PARÁMETRO | FOAMULAR 250 |
| Densidad aparente | 39,65 Kg/m ³ |
| Conductividad térmica | 0,02426 W/m·K |
| Resistencia térmica por espesor | 0,0191m 0.7852m ² ·K/W 0,0254m 1.0470m ² ·K/W 0,0381m 1.5705m ² ·K/W 0,0508m 2.0940m ² ·K/W 0,0762m 3.1410m ² ·K/W |
| Permeabilidad de vapor de agua | 0,0007ng/Pa·s·m |
| Adsorción de humedad y absorción de agua | 0,00050 % (masa) 0,0002 % (volumen) |