

SCOPE

Self-supporting cassette (tray) for wall cladding as an inner surface (horizontally or vertically laid) made from metallic coated steel sheet with or without additional organic coatings.

MATERIAL (Steel)

| CHARACTERISTIC | STAND. REF. | Thickness (mm) | | | | | |
|--------------------------------------|-------------|----------------|--------|--------|---------|---------|---------|
| | | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| Weight (kg/m ²) | | 7,51 | 8,48 | 9,09 | 9,69 | 12,11 | 14,54 |
| I _g (cm ⁴ /ml) | | 80,272 | 89,796 | 96,600 | 103,404 | 130,621 | 157,842 |
| W ₁ (cm ³ /ml) | | 42,380 | 47,353 | 50,898 | 54,437 | 68,535 | 82,541 |
| W ₂ (cm ³ /ml) | | 13,147 | 14,712 | 15,831 | 16,950 | 21,434 | 25,928 |

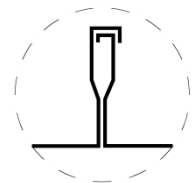
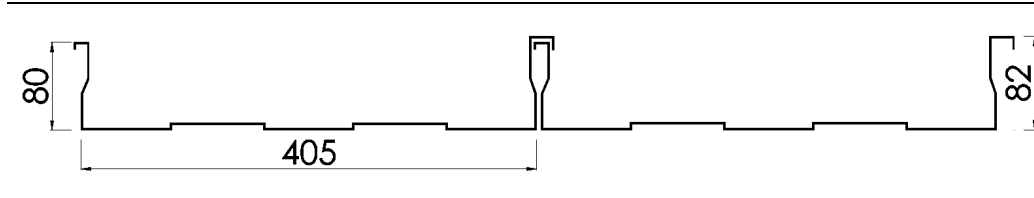
GEOMETRICAL CHARACTERISTICS

| CHARACTERISTIC | VALUE | UNIT | TOLERANCE |
|---|--|------|---|
| Depth of profile (h) | 80 | mm | ± 1,5 |
| Depth of stiffeners | --- | mm | --- |
| Pitch | 405 | mm | ± 3,0 |
| Widths of crown and valley (b ₁ , b ₂) | --- | mm | --- |
| Cover width (w) | 405 | mm | ± h/10 (max.: 15 mm) |
| Radius of bends (r) | 4 | mm | + 2,0 / 0,0 |
| Deviation from straightness (δ) | ≤ tolerance | mm | 2,0 / ml (max.: 10,0) |
| Deviation from squareness (s) | ≤ tolerance | mm | ≤ 0,5% of (w) |
| Length (l) | According to order ⁽¹⁾ | mm | l ≤ 3.000 mm +10,0/-5,0 l > 3.000 mm + 20,0/-5,0 |
| Deviation of side lap (D) | ≤ tolerance | mm | ± 2,0 on 500 mm |
| Curve radius and angles | --- | ° | --- |
| Reaction to fire | Class A1 ⁽²⁾ / Class C-s3,d0 ⁽³⁾ | | |

⁽¹⁾ Maximum length: 14.000 mm; Minimum length: 2.500 mm
⁽²⁾ Class A1: According to commission decision 96/603/CE
⁽³⁾ Class C-s3,d0: According to commission decision 2010/737/UE for Plastisol PVC coating



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OVERLAP DETAIL

SECTION DETAIL

3D DETAIL

INSTALLATION GUIDE

Minimum support bearing face (mm):

| Bearing material | End support | Intermediate support | Two trays support |
|------------------|-------------|----------------------|-------------------|
| Steel | 40 | 60 | 70 |
| Other material | 60 | 60 | 80 |

Fasteners at supports:

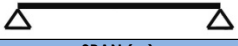
The minimum distance from fastener to tray edge and from fastener to bearing edge is 15 mm.


Each cassette (tray) must be fixed, at least, in two points per support. The number of screws depends on the negative wind load, the support and its thickness and the screw type.

Cladding profile:

The cladding profile must be fixed to tray, with or without omega/Z profile, with the necessary density to distribute loads over each rib. It is recommended 1.60 m (4 trays) as the maximum distance perpendicular to tray between two screws.


LOAD TABLES (daN/m²) – Limitation of deflection: L/200

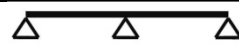
|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,50 | 204 | | | | | | 162 | 134 | | | | |
| 2,60 | 188 | | | | | | 148 | 129 | 138 | | | |
| 2,70 | 174 | 266 | | | | | 136 | 125 | 134 | | | |
| 2,80 | 161 | 246 | 264 | | | | 125 | 120 | 129 | 137 | | |
| 2,90 | 150 | 229 | 245 | 262 | | | 115 | 115 | 123 | 131 | | |
| 3,00 | 140 | 213 | 228 | 243 | | | 107 | 111 | 119 | 127 | | |
| 3,10 | 131 | 199 | 213 | 227 | | | 99 | 106 | 114 | 121 | | |
| 3,20 | 122 | 187 | 200 | 214 | | | 92 | 102 | 109 | 117 | | |
| 3,30 | 115 | 175 | 188 | 200 | 250 | | 86 | 98 | 105 | 112 | | |
| 3,40 | 108 | 164 | 176 | 187 | 234 | | 80 | 94 | 101 | 107 | 134 | |
| 3,50 | 102 | 155 | 166 | 177 | 221 | | 75 | 91 | 98 | 104 | 130 | |
| 3,60 | 96 | 146 | 156 | 167 | 209 | 261 | 72 | 87 | 93 | 99 | 124 | |
| 3,70 | 90 | 138 | 148 | 158 | 197 | 246 | 69 | 84 | 90 | 96 | 120 | |
| 3,80 | 85 | 130 | 139 | 149 | 186 | 232 | 67 | 80 | 86 | 91 | 114 | |
| 3,90 | 80 | 121 | 130 | 138 | 173 | 216 | 65 | 75 | 80 | 86 | 107 | 134 |
| 4,00 | 76 | 113 | 121 | 129 | 161 | 202 | 63 | 70 | 75 | 80 | 100 | 125 |
| 4,10 | 72 | 105 | 113 | 120 | 150 | 188 | 61 | 66 | 71 | 75 | 94 | 118 |
| 4,20 | 69 | 98 | 105 | 112 | 140 | 175 | 59 | 63 | 68 | 72 | 90 | 113 |
| 4,30 | 65 | 91 | 98 | 104 | 130 | 163 | 57 | 59 | 63 | 67 | 84 | 105 |
| 4,40 | 62 | 85 | 91 | 97 | 121 | 152 | 55 | 56 | 60 | 64 | 80 | 100 |
| 4,50 | 59 | 79 | 85 | 90 | 113 | 141 | 53 | 53 | 57 | 61 | 76 | 95 |
| 4,60 | 56 | 74 | 79 | 85 | 106 | 132 | 51 | 50 | 54 | 57 | 71 | 89 |
| 4,70 | 54 | 69 | 74 | 79 | 99 | 123 | 50 | 48 | 51 | 55 | 69 | 86 |
| 4,80 | 51 | 65 | 70 | 74 | 93 | 116 | 48 | 46 | 49 | 53 | 66 | 82 |
| 4,90 | 49 | 61 | 65 | 70 | 87 | 109 | 47 | 43 | 46 | 49 | 61 | 77 |
| 5,00 | | 57 | 61 | 65 | 81 | 102 | 45 | 41 | 44 | 47 | 59 | 73 |
| 5,10 | | 54 | 58 | 62 | 77 | 96 | | 40 | 43 | 46 | 57 | 71 |
| 5,20 | | 50 | 54 | 57 | 71 | 89 | | 38 | 41 | 43 | 54 | 68 |
| 5,30 | | | | 54 | 67 | 84 | | 36 | 39 | 41 | 51 | 64 |

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|--|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,50 | 257 | | | | | | 201 | | | | | |
| 2,60 | 237 | | | | | | 186 | | | | | |
| 2,70 | 220 | 345 | 370 | 394 | | | 172 | 241 | 258 | 275 | | |
| 2,80 | 205 | 321 | 344 | 367 | | | 160 | 224 | 240 | 256 | 320 | |
| 2,90 | 191 | 299 | 320 | 342 | | | 149 | 209 | 224 | 239 | 299 | |
| 3,00 | 178 | 279 | 299 | 319 | 399 | | 140 | 195 | 209 | 223 | 279 | |
| 3,10 | 167 | 262 | 281 | 299 | 375 | | 131 | 183 | 196 | 209 | 261 | 327 |
| 3,20 | 157 | 246 | 264 | 281 | 351 | | 123 | 171 | 183 | 195 | 244 | 305 |
| 3,30 | 147 | 231 | 248 | 264 | 330 | | 115 | 161 | 173 | 184 | 230 | 288 |
| 3,40 | 139 | 218 | 234 | 249 | 311 | 389 | 109 | 152 | 163 | 174 | 217 | 271 |
| 3,50 | 131 | 205 | 220 | 234 | 293 | 366 | 103 | 143 | 153 | 163 | 204 | 255 |
| 3,60 | 124 | 194 | 208 | 222 | 277 | 346 | 97 | 135 | 145 | 154 | 193 | 241 |
| 3,70 | 117 | 184 | 197 | 210 | 263 | 329 | 92 | 128 | 137 | 146 | 183 | 229 |
| 3,80 | 111 | 174 | 186 | 199 | 249 | 311 | 87 | 122 | 131 | 139 | 174 | 218 |
| 3,90 | 105 | 165 | 177 | 189 | 236 | 295 | 83 | 115 | 123 | 131 | 164 | 205 |
| 4,00 | 100 | 157 | 168 | 179 | 224 | 280 | 79 | 110 | 118 | 126 | 157 | 196 |
| 4,10 | 95 | 150 | 161 | 171 | 214 | 268 | 75 | 104 | 111 | 119 | 149 | 186 |
| 4,20 | 91 | 143 | 153 | 163 | 204 | 255 | 71 | 99 | 106 | 113 | 141 | 177 |
| 4,30 | 87 | 136 | 146 | 155 | 194 | 243 | 68 | 95 | 102 | 109 | 136 | 170 |
| 4,40 | 83 | 130 | 139 | 149 | 186 | 232 | 65 | 91 | 98 | 104 | 130 | 163 |
| 4,50 | 79 | 124 | 133 | 142 | 177 | 221 | 62 | 87 | 93 | 99 | 124 | 155 |
| 4,60 | 76 | 119 | 128 | 136 | 170 | 213 | 59 | 83 | 89 | 95 | 119 | 148 |
| 4,70 | 73 | 114 | 122 | 130 | 163 | 204 | 57 | 79 | 85 | 90 | 113 | 141 |
| 4,80 | 70 | 109 | 117 | 125 | 156 | 195 | 55 | 76 | 81 | 87 | 109 | 136 |
| 4,90 | 67 | 105 | 113 | 120 | 150 | 188 | 52 | 73 | 78 | 83 | 104 | 130 |
| 5,00 | 64 | 101 | 108 | 115 | 144 | 180 | 50 | 70 | 75 | 80 | 100 | 125 |
| 5,10 | 62 | 97 | 104 | 111 | 139 | 173 | 48 | 67 | 72 | 77 | 96 | 120 |
| 5,20 | 59 | 93 | 100 | 106 | 133 | 166 | 46 | 65 | 70 | 74 | 93 | 116 |
| 5,30 | 57 | 90 | 96 | 103 | 129 | 161 | 45 | 62 | 66 | 71 | 89 | 111 |
| 5,40 | 55 | 86 | 92 | 98 | 123 | 154 | 43 | 60 | 64 | 69 | 86 | 107 |
| 5,50 | 53 | 83 | 89 | 95 | 119 | 148 | 42 | 58 | 62 | 66 | 83 | 104 |
| 5,60 | 51 | 80 | 86 | 91 | 114 | 143 | 40 | 56 | 60 | 64 | 80 | 100 |
| 5,70 | 49 | 77 | 83 | 88 | 110 | 138 | 39 | 54 | 58 | 62 | 77 | 96 |
| 5,80 | 48 | 74 | 79 | 85 | 106 | 132 | 37 | 52 | 56 | 59 | 74 | 93 |
| 5,90 | | 71 | 76 | 81 | 101 | 127 | 36 | 50 | 54 | 57 | 71 | 89 |
| 6,00 | | 68 | 73 | 78 | 97 | 121 | 35 | 49 | 53 | 56 | 70 | 88 |
| 6,10 | | 64 | 69 | 73 | 91 | 114 | | 47 | 50 | 54 | 67 | 84 |
| 6,20 | | 62 | 66 | 71 | 89 | 111 | | 46 | 49 | 53 | 66 | 82 |
| 6,30 | | 59 | 63 | 67 | 84 | 105 | | 44 | 47 | 50 | 63 | 79 |
| 6,40 | | 56 | 60 | 64 | 80 | 100 | | 43 | 46 | 49 | 61 | 77 |
| 6,50 | | 54 | 58 | 62 | 77 | 96 | | 42 | 45 | 48 | 60 | 75 |
| 6,60 | | 52 | 56 | 59 | 74 | 93 | | 40 | 43 | 46 | 57 | 71 |


For any further clarification, you can contact Technical Department (tecnico@europafil.com or by phone).
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PERFORATED STEEL
PERMISSIBLE SPAN (daN/m²) – Limitation of deflection: L/200
Perforated in valley - R3T6 (22,67%)

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 164 | 243 | | | | | 151 | 125 | 134 | 143 | 179 | 223 |
| 2.60 | 151 | 226 | 242 | | | | 138 | 121 | 129 | 138 | 172 | 215 |
| 2.70 | 140 | 210 | 225 | 240 | | | 127 | 116 | 125 | 133 | 166 | 208 |
| 2.80 | 130 | 196 | 210 | 224 | | | 117 | 112 | 120 | 128 | 160 | 200 |
| 2.90 | 121 | 183 | 197 | 210 | | | 108 | 108 | 115 | 123 | 154 | 192 |
| 3.00 | 112 | 172 | 184 | 197 | 246 | | 100 | 103 | 111 | 118 | 148 | 185 |
| 3.10 | 105 | 162 | 173 | 185 | 231 | | 93 | 99 | 106 | 114 | 142 | 177 |
| 3.20 | 98 | 152 | 163 | 174 | 218 | | 86 | 95 | 102 | 109 | 136 | 170 |
| 3.30 | 92 | 144 | 154 | 164 | 205 | | 80 | 92 | 98 | 105 | 131 | 164 |
| 3.40 | 87 | 136 | 146 | 155 | 194 | 243 | 75 | 88 | 94 | 101 | 126 | 157 |
| 3.50 | 82 | 127 | 137 | 146 | 182 | 228 | 70 | 85 | 91 | 97 | 121 | 151 |
| 3.60 | 77 | 119 | 127 | 136 | 170 | 212 | 67 | 81 | 87 | 93 | 116 | 145 |
| 3.70 | 72 | 111 | 119 | 127 | 159 | 199 | 65 | 78 | 84 | 90 | 112 | 140 |
| 3.80 | 68 | 104 | 112 | 119 | 149 | 186 | 63 | 74 | 80 | 85 | 106 | 133 |
| 3.90 | 65 | 98 | 105 | 111 | 139 | 174 | 60 | 70 | 75 | 80 | 100 | 125 |
| 4.00 | 61 | 92 | 98 | 105 | 131 | 163 | 58 | 66 | 70 | 75 | 94 | 117 |
| 4.10 | 58 | 86 | 92 | 98 | 123 | 154 | 57 | 62 | 66 | 71 | 89 | 111 |
| 4.20 | 55 | 81 | 87 | 92 | 115 | 144 | 55 | 59 | 63 | 67 | 84 | 104 |
| 4.30 | 52 | 76 | 81 | 87 | 109 | 136 | 53 | 55 | 59 | 63 | 79 | 99 |
| 4.40 | 50 | 72 | 77 | 82 | 102 | 128 | 51 | 52 | 56 | 60 | 75 | 94 |
| 4.50 | 47 | 68 | 72 | 77 | 96 | 121 | 50 | 50 | 53 | 57 | 71 | 89 |
| 4.60 | 45 | 64 | 68 | 73 | 91 | 114 | 48 | 47 | 50 | 54 | 67 | 84 |
| 4.70 | 43 | 60 | 64 | 69 | 86 | 107 | 46 | 45 | 48 | 51 | 64 | 80 |
| 4.80 | 41 | 57 | 61 | 65 | 81 | 101 | 45 | 43 | 46 | 49 | 61 | 76 |
| 4.90 | | 54 | 58 | 61 | 77 | 96 | 44 | 41 | 43 | 46 | 58 | 72 |
| 5.00 | | 51 | 54 | 58 | 73 | 91 | 42 | | 41 | 44 | 55 | 69 |
| 5.10 | | 48 | 52 | 55 | 69 | 86 | 41 | | | 42 | 53 | 66 |
| 5.20 | | 45 | 49 | 52 | 65 | 81 | | | | 40 | 50 | 63 |


|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 206 | | | | | | 161 | 226 | 242 | | | |
| 2.60 | 191 | | | | | | 149 | 209 | 223 | 238 | | |
| 2.70 | 177 | | | | | | 138 | 193 | 207 | 221 | | |
| 2.80 | 164 | | | | | | 129 | 180 | 193 | 206 | | |
| 2.90 | 153 | 240 | | | | | 120 | 168 | 180 | 192 | 239 | |
| 3.00 | 143 | 224 | 241 | | | | 112 | 157 | 168 | 179 | 224 | |
| 3.10 | 134 | 210 | 225 | 240 | | | 105 | 147 | 157 | 168 | 210 | |
| 3.20 | 126 | 197 | 211 | 226 | | | 99 | 138 | 148 | 157 | 197 | 246 |
| 3.30 | 118 | 186 | 199 | 212 | | | 93 | 129 | 139 | 148 | 185 | 231 |
| 3.40 | 111 | 175 | 187 | 200 | 250 | | 87 | 122 | 131 | 139 | 174 | 218 |
| 3.50 | 105 | 165 | 177 | 189 | 236 | | 82 | 115 | 123 | 132 | 164 | 206 |
| 3.60 | 99 | 156 | 167 | 178 | 223 | | 78 | 109 | 117 | 124 | 155 | 194 |
| 3.70 | 94 | 148 | 158 | 169 | 211 | | 74 | 103 | 110 | 118 | 147 | 184 |
| 3.80 | 89 | 140 | 150 | 160 | 200 | 250 | 70 | 98 | 105 | 112 | 139 | 174 |
| 3.90 | 85 | 133 | 142 | 152 | 190 | 237 | 66 | 93 | 99 | 106 | 132 | 166 |
| 4.00 | 81 | 126 | 135 | 144 | 180 | 226 | 63 | 88 | 94 | 101 | 126 | 157 |
| 4.10 | 77 | 120 | 129 | 137 | 172 | 215 | 60 | 84 | 90 | 96 | 120 | 150 |
| 4.20 | 73 | 115 | 123 | 131 | 164 | 205 | 57 | 80 | 86 | 91 | 114 | 143 |
| 4.30 | 70 | 109 | 117 | 125 | 156 | 195 | 55 | 76 | 82 | 87 | 109 | 136 |
| 4.40 | 67 | 104 | 112 | 119 | 149 | 186 | 52 | 73 | 78 | 83 | 104 | 130 |
| 4.50 | 64 | 100 | 107 | 114 | 143 | 178 | 50 | 70 | 75 | 80 | 99 | 124 |
| 4.60 | 61 | 95 | 102 | 109 | 136 | 171 | 48 | 67 | 71 | 76 | 95 | 119 |
| 4.70 | 58 | 91 | 98 | 105 | 131 | 163 | 46 | 64 | 68 | 73 | 91 | 114 |
| 4.80 | 56 | 88 | 94 | 100 | 125 | 157 | 44 | 61 | 66 | 70 | 87 | 109 |
| 4.90 | 54 | 84 | 90 | 96 | 120 | 150 | 42 | 59 | 63 | 67 | 84 | 105 |
| 5.00 | 52 | 81 | 87 | 92 | 115 | 144 | 40 | 56 | 60 | 64 | 81 | 101 |
| 5.10 | 50 | 78 | 83 | 89 | 111 | 139 | | 54 | 58 | 62 | 77 | 97 |
| 5.20 | 48 | 75 | 80 | 85 | 107 | 133 | | 52 | 56 | 60 | 74 | 93 |
| 5.30 | 46 | 72 | 77 | 82 | 103 | 128 | | 50 | 54 | 57 | 72 | 90 |
| 5.40 | 44 | 69 | 74 | 79 | 99 | 124 | | 48 | 52 | 55 | 69 | 86 |
| 5.50 | 43 | 67 | 72 | 76 | 95 | 119 | | 47 | 50 | 53 | 67 | 83 |
| 5.60 | 41 | 64 | 69 | 74 | 92 | 115 | | 45 | 48 | 51 | 64 | 80 |
| 5.70 | | 62 | 67 | 71 | 89 | 111 | | 43 | 46 | 50 | 62 | 77 |
| 5.80 | | 60 | 64 | 69 | 86 | 107 | | 42 | 45 | 48 | 60 | 75 |
| 5.90 | | 58 | 62 | 66 | 83 | 104 | | 41 | 43 | 46 | 58 | 72 |
| 6.00 | | 56 | 60 | 64 | 80 | 100 | | | 42 | 45 | 56 | 70 |
| 6.10 | | 54 | 58 | 62 | 78 | 97 | | | 41 | 43 | 54 | 68 |
| 6.20 | | 53 | 56 | 60 | 75 | 94 | | | | 42 | 52 | 65 |
| 6.30 | | 51 | 55 | 58 | 73 | 91 | | | | 41 | 51 | 63 |
| 6.40 | | 49 | 53 | 56 | 70 | 88 | | | | | 49 | 61 |
| 6.50 | | 48 | 51 | 55 | 68 | 85 | | | | | 48 | 60 |
| 6.60 | | 46 | 50 | 53 | 66 | 83 | | | | | 46 | 58 |


PERFORATED STEEL
PERMISSIBLE SPAN (daN/m²) – Limitation of deflection: L/200
Perforated in valley - R3T8,66 (10,88%)

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,50 | 185 | | | | | | 157 | 130 | 139 | 148 | 186 | 232 |
| 2,60 | 170 | | | | | | 144 | 125 | 134 | 143 | 179 | 224 |
| 2,70 | 158 | 237 | | | | | 132 | 121 | 130 | 138 | 173 | 216 |
| 2,80 | 146 | 221 | 237 | | | | 121 | 116 | 125 | 133 | 166 | 208 |
| 2,90 | 136 | 207 | 222 | 236 | | | 112 | 112 | 120 | 128 | 160 | 200 |
| 3,00 | 127 | 194 | 208 | 222 | | | 104 | 108 | 115 | 123 | 154 | 192 |
| 3,10 | 118 | 182 | 195 | 208 | | | 96 | 103 | 111 | 118 | 148 | 184 |
| 3,20 | 111 | 172 | 184 | 196 | 245 | | 90 | 99 | 106 | 113 | 142 | 177 |
| 3,30 | 104 | 162 | 174 | 185 | 232 | | 84 | 95 | 102 | 109 | 136 | 170 |
| 3,40 | 98 | 153 | 164 | 175 | 219 | | 78 | 92 | 98 | 105 | 131 | 164 |
| 3,50 | 92 | 144 | 154 | 164 | 205 | | 73 | 88 | 94 | 101 | 126 | 157 |
| 3,60 | 87 | 134 | 144 | 153 | 192 | 239 | 70 | 85 | 91 | 97 | 121 | 151 |
| 3,70 | 82 | 125 | 134 | 143 | 179 | 224 | 67 | 81 | 87 | 93 | 116 | 145 |
| 3,80 | 77 | 117 | 126 | 134 | 168 | 210 | 65 | 77 | 83 | 88 | 111 | 138 |
| 3,90 | 73 | 110 | 118 | 126 | 157 | 196 | 63 | 73 | 78 | 83 | 104 | 130 |
| 4,00 | 69 | 103 | 111 | 118 | 147 | 184 | 61 | 68 | 73 | 78 | 98 | 122 |
| 4,10 | 65 | 97 | 104 | 111 | 138 | 173 | 59 | 64 | 69 | 74 | 92 | 115 |
| 4,20 | 62 | 91 | 98 | 104 | 130 | 163 | 57 | 61 | 65 | 70 | 87 | 109 |
| 4,30 | 59 | 86 | 92 | 98 | 122 | 153 | 55 | 58 | 62 | 66 | 82 | 103 |
| 4,40 | 56 | 81 | 87 | 92 | 115 | 144 | 53 | 54 | 58 | 62 | 78 | 97 |
| 4,50 | 53 | 76 | 82 | 87 | 109 | 136 | 51 | 52 | 55 | 59 | 74 | 92 |
| 4,60 | 51 | 72 | 77 | 82 | 102 | 128 | 50 | 49 | 52 | 56 | 70 | 87 |
| 4,70 | 48 | 67 | 72 | 76 | 96 | 119 | 48 | 47 | 50 | 53 | 67 | 83 |
| 4,80 | 46 | 63 | 67 | 72 | 90 | 112 | 47 | 44 | 47 | 51 | 63 | 79 |
| 4,90 | 44 | 59 | 63 | 67 | 84 | 105 | 45 | 42 | 45 | 48 | 60 | 75 |
| 5,00 | 42 | 55 | 59 | 63 | 79 | 99 | 43 | 40 | 43 | 46 | 57 | 72 |
| 5,10 | | 52 | 56 | 59 | 74 | 93 | 41 | | 41 | 44 | 55 | 69 |
| 5,20 | | 49 | 52 | 56 | 70 | 87 | | | | 42 | 52 | 66 |

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2,50 | 232 | | | | | | 182 | | | | | |
| 2,60 | 215 | | | | | | 168 | 235 | | | | |
| 2,70 | 199 | | | | | | 156 | 218 | 234 | | | |
| 2,80 | 185 | | | | | | 145 | 203 | 217 | 232 | | |
| 2,90 | 173 | | | | | | 135 | 189 | 203 | 216 | | |
| 3,00 | 161 | | | | | | 126 | 177 | 189 | 202 | | |
| 3,10 | 151 | 237 | | | | | 118 | 165 | 177 | 189 | 236 | |
| 3,20 | 142 | 222 | 238 | | | | 111 | 155 | 166 | 177 | 222 | |
| 3,30 | 133 | 209 | 224 | 239 | | | 104 | 146 | 156 | 167 | 209 | |
| 3,40 | 126 | 197 | 211 | 225 | | | 98 | 138 | 147 | 157 | 196 | 246 |
| 3,50 | 119 | 186 | 199 | 213 | | | 93 | 130 | 139 | 148 | 185 | 232 |
| 3,60 | 112 | 176 | 188 | 201 | | | 88 | 123 | 131 | 140 | 175 | 219 |
| 3,70 | 106 | 166 | 178 | 190 | 238 | | 83 | 116 | 124 | 133 | 166 | 207 |
| 3,80 | 101 | 158 | 169 | 180 | 225 | | 79 | 110 | 118 | 126 | 157 | 197 |
| 3,90 | 96 | 150 | 160 | 171 | 214 | | 75 | 105 | 112 | 119 | 149 | 187 |
| 4,00 | 91 | 142 | 153 | 163 | 203 | | 71 | 99 | 106 | 114 | 142 | 177 |
| 4,10 | 86 | 136 | 145 | 155 | 194 | 242 | 68 | 95 | 101 | 108 | 135 | 169 |
| 4,20 | 82 | 129 | 138 | 148 | 184 | 231 | 64 | 90 | 97 | 103 | 129 | 161 |
| 4,30 | 79 | 123 | 132 | 141 | 176 | 220 | 62 | 86 | 92 | 98 | 123 | 154 |
| 4,40 | 75 | 118 | 126 | 134 | 168 | 210 | 59 | 82 | 88 | 94 | 117 | 147 |
| 4,50 | 72 | 112 | 121 | 129 | 161 | 201 | 56 | 78 | 84 | 90 | 112 | 140 |
| 4,60 | 69 | 108 | 115 | 123 | 154 | 192 | 54 | 75 | 80 | 86 | 107 | 134 |
| 4,70 | 66 | 103 | 110 | 118 | 147 | 184 | 51 | 72 | 77 | 82 | 103 | 128 |
| 4,80 | 63 | 99 | 106 | 113 | 141 | 177 | 49 | 69 | 74 | 79 | 99 | 123 |
| 4,90 | 61 | 95 | 102 | 108 | 136 | 169 | 47 | 66 | 71 | 76 | 95 | 118 |
| 5,00 | 58 | 91 | 98 | 104 | 130 | 163 | 46 | 64 | 68 | 73 | 91 | 114 |
| 5,10 | 56 | 88 | 94 | 100 | 125 | 156 | 44 | 61 | 65 | 70 | 87 | 109 |
| 5,20 | 54 | 84 | 90 | 96 | 120 | 150 | 42 | 59 | 63 | 67 | 84 | 105 |
| 5,30 | 52 | 81 | 87 | 93 | 116 | 145 | 40 | 57 | 61 | 65 | 81 | 101 |
| 5,40 | 50 | 78 | 84 | 89 | 112 | 139 | | 55 | 58 | 62 | 78 | 97 |
| 5,50 | 48 | 75 | 81 | 86 | 108 | 134 | | 53 | 56 | 60 | 75 | 94 |
| 5,60 | 46 | 73 | 78 | 83 | 104 | 130 | | 51 | 54 | 58 | 72 | 91 |
| 5,70 | 45 | 70 | 75 | 80 | 100 | 125 | | 49 | 52 | 56 | 70 | 87 |
| 5,80 | 43 | 68 | 73 | 77 | 97 | 121 | | 47 | 51 | 54 | 68 | 84 |
| 5,90 | 42 | 65 | 70 | 75 | 93 | 117 | | 46 | 49 | 52 | 65 | 82 |
| 6,00 | 40 | 63 | 68 | 72 | 90 | 113 | | 44 | 47 | 50 | 63 | 79 |
| 6,10 | | 61 | 66 | 70 | 87 | 109 | | 43 | 46 | 49 | 61 | 76 |
| 6,20 | | 59 | 63 | 68 | 85 | 106 | | 41 | 44 | 47 | 59 | 74 |
| 6,30 | | 57 | 61 | 65 | 82 | 102 | | 40 | 43 | 46 | 57 | 72 |
| 6,40 | | 55 | 58 | 62 | 78 | 97 | | | 42 | 44 | 55 | 69 |
| 6,50 | | 52 | 56 | 60 | 75 | 93 | | | 40 | 43 | 54 | 67 |
| 6,60 | | 50 | 54 | 57 | 71 | 89 | | | | 42 | 52 | 65 |


PERFORATED STEEL
PERMISSIBLE SPAN (daN/m2) – Limitation of deflection: L/200
Perforated in valley - R5T8 (35,43%)


|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 141 | 209 | 224 | 239 | | | 144 | 119 | 127 | 135 | 169 | 212 |
| 2.60 | 130 | 194 | 208 | 222 | | | 131 | 114 | 123 | 131 | 164 | 204 |
| 2.70 | 120 | 181 | 194 | 207 | | | 120 | 110 | 118 | 126 | 158 | 197 |
| 2.80 | 112 | 169 | 181 | 193 | 241 | | 111 | 106 | 114 | 121 | 152 | 190 |
| 2.90 | 104 | 158 | 169 | 181 | 226 | | 102 | 102 | 109 | 117 | 146 | 182 |
| 3.00 | 97 | 148 | 159 | 170 | 212 | | 95 | 98 | 105 | 112 | 140 | 175 |
| 3.10 | 91 | 139 | 149 | 159 | 199 | 249 | 88 | 94 | 101 | 108 | 135 | 168 |
| 3.20 | 85 | 131 | 141 | 150 | 188 | 235 | 82 | 91 | 97 | 103 | 129 | 162 |
| 3.30 | 79 | 124 | 133 | 142 | 177 | 221 | 76 | 87 | 93 | 99 | 124 | 155 |
| 3.40 | 75 | 117 | 126 | 134 | 167 | 209 | 71 | 84 | 90 | 96 | 119 | 149 |
| 3.50 | 70 | 110 | 118 | 126 | 157 | 196 | 67 | 80 | 86 | 92 | 115 | 143 |
| 3.60 | 66 | 103 | 110 | 117 | 146 | 183 | 64 | 77 | 83 | 88 | 110 | 138 |
| 3.70 | 62 | 96 | 103 | 110 | 137 | 171 | 61 | 74 | 80 | 85 | 106 | 133 |
| 3.80 | 59 | 90 | 96 | 103 | 128 | 160 | 59 | 71 | 76 | 81 | 101 | 126 |
| 3.90 | 56 | 84 | 90 | 96 | 120 | 150 | 57 | 66 | 71 | 76 | 95 | 118 |
| 4.00 | 53 | 79 | 85 | 90 | 113 | 141 | 55 | 62 | 67 | 71 | 89 | 111 |
| 4.10 | 50 | 74 | 79 | 85 | 106 | 132 | 54 | 59 | 63 | 67 | 84 | 105 |
| 4.20 | 47 | 70 | 75 | 80 | 100 | 124 | 52 | 56 | 59 | 63 | 79 | 99 |
| 4.30 | 45 | 66 | 70 | 75 | 94 | 117 | 50 | 52 | 56 | 60 | 75 | 94 |
| 4.40 | 43 | 62 | 66 | 71 | 88 | 110 | 49 | 50 | 53 | 57 | 71 | 89 |
| 4.50 | 41 | 58 | 62 | 67 | 83 | 104 | 47 | 47 | 50 | 54 | 67 | 84 |
| 4.60 | | 55 | 59 | 63 | 78 | 98 | 45 | 45 | 48 | 51 | 64 | 80 |
| 4.70 | | 52 | 56 | 59 | 74 | 93 | 44 | 42 | 46 | 49 | 61 | 76 |
| 4.80 | | 49 | 52 | 56 | 70 | 87 | 43 | 40 | 43 | 46 | 58 | 72 |
| 4.90 | | 46 | 50 | 53 | 66 | 83 | 41 | | 41 | 44 | 55 | 69 |
| 5.00 | | 44 | 47 | 50 | 63 | 78 | 40 | | | 42 | 52 | 66 |
| 5.10 | | 41 | 44 | 47 | 59 | 74 | | | | 40 | 50 | 63 |
| 5.20 | | | 42 | 45 | 56 | 70 | | | | | 48 | 60 |

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 178 | | | | | | 139 | 194 | 208 | 222 | | |
| 2.60 | 164 | | | | | | 129 | 180 | 193 | 205 | | |
| 2.70 | 152 | 239 | | | | | 119 | 167 | 179 | 191 | 238 | |
| 2.80 | 142 | 222 | 238 | | | | 111 | 155 | 166 | 177 | 221 | |
| 2.90 | 132 | 207 | 222 | 237 | | | 103 | 145 | 155 | 165 | 206 | |
| 3.00 | 123 | 194 | 207 | 221 | | | 97 | 135 | 145 | 154 | 193 | 241 |
| 3.10 | 116 | 181 | 194 | 207 | | | 91 | 126 | 135 | 145 | 181 | 226 |
| 3.20 | 108 | 170 | 182 | 194 | 243 | | 85 | 119 | 127 | 136 | 170 | 212 |
| 3.30 | 102 | 160 | 171 | 183 | 228 | | 80 | 112 | 120 | 128 | 159 | 199 |
| 3.40 | 96 | 151 | 161 | 172 | 215 | | 75 | 105 | 113 | 120 | 150 | 188 |
| 3.50 | 91 | 142 | 152 | 162 | 203 | | 71 | 99 | 106 | 113 | 142 | 177 |
| 3.60 | 86 | 134 | 144 | 154 | 192 | 240 | 67 | 94 | 100 | 107 | 134 | 167 |
| 3.70 | 81 | 127 | 136 | 145 | 182 | 227 | 64 | 89 | 95 | 101 | 127 | 159 |
| 3.80 | 77 | 121 | 129 | 138 | 172 | 215 | 60 | 84 | 90 | 96 | 120 | 150 |
| 3.90 | 73 | 114 | 123 | 131 | 164 | 204 | 57 | 80 | 86 | 91 | 114 | 143 |
| 4.00 | 69 | 109 | 117 | 124 | 155 | 194 | 54 | 76 | 81 | 87 | 109 | 136 |
| 4.10 | 66 | 104 | 111 | 118 | 148 | 185 | 52 | 72 | 77 | 83 | 103 | 129 |
| 4.20 | 63 | 99 | 106 | 113 | 141 | 176 | 49 | 69 | 74 | 79 | 98 | 123 |
| 4.30 | 60 | 94 | 101 | 108 | 135 | 168 | 47 | 66 | 70 | 75 | 94 | 117 |
| 4.40 | 57 | 90 | 96 | 103 | 129 | 161 | 45 | 63 | 67 | 72 | 90 | 112 |
| 4.50 | 55 | 86 | 92 | 98 | 123 | 154 | 43 | 60 | 64 | 69 | 86 | 107 |
| 4.60 | 52 | 82 | 88 | 94 | 118 | 147 | 41 | 57 | 62 | 66 | 82 | 103 |
| 4.70 | 50 | 79 | 84 | 90 | 113 | 141 | | 55 | 59 | 63 | 79 | 98 |
| 4.80 | 48 | 76 | 81 | 86 | 108 | 135 | | 53 | 57 | 60 | 75 | 94 |
| 4.90 | 46 | 73 | 78 | 83 | 104 | 130 | | 51 | 54 | 58 | 72 | 90 |
| 5.00 | 44 | 70 | 75 | 80 | 100 | 124 | | 49 | 52 | 56 | 69 | 87 |
| 5.10 | 43 | 67 | 72 | 77 | 96 | 120 | | 47 | 50 | 53 | 67 | 83 |
| 5.20 | 41 | 64 | 69 | 74 | 92 | 115 | | 45 | 48 | 51 | 64 | 80 |
| 5.30 | | 62 | 66 | 71 | 89 | 111 | | 43 | 46 | 49 | 62 | 77 |
| 5.40 | | 60 | 64 | 68 | 85 | 107 | | 42 | 45 | 48 | 60 | 74 |
| 5.50 | | 58 | 62 | 66 | 82 | 103 | | 40 | 43 | 46 | 57 | 72 |
| 5.60 | | 56 | 59 | 63 | 79 | 99 | | | 42 | 44 | 55 | 69 |
| 5.70 | | 54 | 57 | 61 | 77 | 96 | | | 40 | 43 | 53 | 67 |
| 5.80 | | 52 | 55 | 59 | 74 | 92 | | | | 41 | 52 | 65 |
| 5.90 | | 50 | 54 | 57 | 71 | 89 | | | | | 50 | 62 |
| 6.00 | | 48 | 52 | 55 | 69 | 86 | | | | | 48 | 60 |
| 6.10 | | 47 | 50 | 53 | 67 | 84 | | | | | 47 | 58 |
| 6.20 | | 45 | 49 | 52 | 65 | 81 | | | | | 45 | 56 |
| 6.30 | | 44 | 47 | 50 | 63 | 78 | | | | | 44 | 55 |
| 6.40 | | 43 | 46 | 49 | 61 | 76 | | | | | 42 | 53 |
| 6.50 | | 41 | 44 | 47 | 59 | 74 | | | | | 41 | 51 |
| 6.60 | | | 43 | 46 | 57 | 71 | | | | | | 50 |


Non authorised.


PERFORATED STEEL
PERMISSIBLE SPAN (daN/m2) – Limitation of deflection: L/200
Perforated in valley - R5T12,2 (15,23%)

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 177 | | | | | | 155 | 128 | 137 | 147 | 183 | 229 |
| 2.60 | 163 | 244 | | | | | 142 | 124 | 133 | 141 | 177 | 221 |
| 2.70 | 151 | 227 | 243 | | | | 130 | 119 | 128 | 136 | 170 | 213 |
| 2.80 | 140 | 212 | 227 | 242 | | | 120 | 115 | 123 | 131 | 164 | 205 |
| 2.90 | 130 | 198 | 212 | 227 | | | 110 | 110 | 118 | 126 | 158 | 197 |
| 3.00 | 121 | 186 | 199 | 212 | | | 102 | 106 | 114 | 121 | 152 | 189 |
| 3.10 | 113 | 175 | 187 | 200 | 250 | | 95 | 102 | 109 | 116 | 146 | 182 |
| 3.20 | 106 | 165 | 176 | 188 | 235 | | 88 | 98 | 105 | 112 | 140 | 175 |
| 3.30 | 100 | 155 | 167 | 178 | 222 | | 82 | 94 | 101 | 108 | 134 | 168 |
| 3.40 | 94 | 147 | 157 | 168 | 210 | | 77 | 90 | 97 | 103 | 129 | 161 |
| 3.50 | 88 | 138 | 148 | 157 | 197 | 246 | 72 | 87 | 93 | 99 | 124 | 155 |
| 3.60 | 83 | 129 | 138 | 147 | 184 | 230 | 69 | 84 | 90 | 95 | 119 | 149 |
| 3.70 | 78 | 120 | 129 | 137 | 172 | 215 | 66 | 80 | 86 | 92 | 115 | 143 |
| 3.80 | 74 | 112 | 120 | 129 | 161 | 201 | 64 | 76 | 82 | 87 | 109 | 136 |
| 3.90 | 70 | 105 | 113 | 120 | 151 | 188 | 62 | 72 | 77 | 82 | 102 | 128 |
| 4.00 | 66 | 99 | 106 | 113 | 141 | 177 | 60 | 67 | 72 | 77 | 96 | 120 |
| 4.10 | 63 | 93 | 100 | 106 | 133 | 166 | 58 | 64 | 68 | 73 | 91 | 114 |
| 4.20 | 59 | 87 | 94 | 100 | 125 | 156 | 56 | 60 | 64 | 69 | 86 | 107 |
| 4.30 | 56 | 82 | 88 | 94 | 117 | 147 | 54 | 57 | 61 | 65 | 81 | 101 |
| 4.40 | 54 | 77 | 83 | 88 | 111 | 138 | 52 | 54 | 58 | 61 | 77 | 96 |
| 4.50 | 51 | 73 | 78 | 83 | 104 | 130 | 51 | 51 | 55 | 58 | 73 | 91 |
| 4.60 | 49 | 69 | 74 | 79 | 98 | 123 | 49 | 48 | 52 | 55 | 69 | 86 |
| 4.70 | 46 | 65 | 70 | 74 | 93 | 116 | 48 | 46 | 49 | 52 | 66 | 82 |
| 4.80 | 44 | 61 | 66 | 70 | 88 | 110 | 46 | 44 | 47 | 50 | 62 | 78 |
| 4.90 | 42 | 58 | 62 | 66 | 83 | 104 | 45 | 42 | 45 | 48 | 59 | 74 |
| 5.00 | 40 | 54 | 58 | 62 | 78 | 97 | 43 | | 43 | 45 | 57 | 71 |
| 5.10 | | 51 | 55 | 59 | 73 | 92 | 41 | | 41 | 43 | 54 | 68 |
| 5.20 | | 48 | 52 | 55 | 69 | 86 | | | | 41 | 52 | 65 |

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 223 | | | | | | 174 | 244 | | | | |
| 2.60 | 206 | | | | | | 161 | 225 | 241 | | | |
| 2.70 | 191 | | | | | | 150 | 209 | 224 | 239 | | |
| 2.80 | 178 | | | | | | 139 | 194 | 208 | 222 | | |
| 2.90 | 166 | | | | | | 130 | 181 | 194 | 207 | | |
| 3.00 | 155 | 243 | | | | | 121 | 169 | 181 | 193 | 242 | |
| 3.10 | 145 | 227 | 243 | | | | 113 | 159 | 170 | 181 | 226 | |
| 3.20 | 136 | 213 | 228 | 244 | | | 106 | 149 | 159 | 170 | 213 | |
| 3.30 | 128 | 200 | 215 | 229 | | | 100 | 140 | 150 | 160 | 200 | 250 |
| 3.40 | 120 | 189 | 202 | 216 | | | 94 | 132 | 141 | 151 | 188 | 235 |
| 3.50 | 114 | 178 | 191 | 204 | | | 89 | 124 | 133 | 142 | 178 | 222 |
| 3.60 | 107 | 168 | 180 | 193 | 241 | | 84 | 118 | 126 | 134 | 168 | 210 |
| 3.70 | 102 | 159 | 171 | 182 | 228 | | 80 | 111 | 119 | 127 | 159 | 199 |
| 3.80 | 96 | 151 | 162 | 173 | 216 | | 75 | 105 | 113 | 121 | 151 | 188 |
| 3.90 | 92 | 144 | 154 | 164 | 205 | | 72 | 100 | 107 | 114 | 143 | 179 |
| 4.00 | 87 | 136 | 146 | 156 | 195 | 244 | 68 | 95 | 102 | 109 | 136 | 170 |
| 4.10 | 83 | 130 | 139 | 148 | 186 | 232 | 65 | 91 | 97 | 104 | 129 | 162 |
| 4.20 | 79 | 124 | 133 | 141 | 177 | 221 | 62 | 86 | 93 | 99 | 123 | 154 |
| 4.30 | 75 | 118 | 126 | 135 | 169 | 211 | 59 | 82 | 88 | 94 | 118 | 147 |
| 4.40 | 72 | 113 | 121 | 129 | 161 | 201 | 56 | 79 | 84 | 90 | 112 | 141 |
| 4.50 | 69 | 108 | 116 | 123 | 154 | 193 | 54 | 75 | 81 | 86 | 107 | 134 |
| 4.60 | 66 | 103 | 111 | 118 | 147 | 184 | 52 | 72 | 77 | 82 | 103 | 129 |
| 4.70 | 63 | 99 | 106 | 113 | 141 | 176 | 49 | 69 | 74 | 79 | 99 | 123 |
| 4.80 | 60 | 95 | 102 | 108 | 135 | 169 | 47 | 66 | 71 | 76 | 94 | 118 |
| 4.90 | 58 | 91 | 97 | 104 | 130 | 162 | 45 | 63 | 68 | 73 | 91 | 113 |
| 5.00 | 56 | 87 | 94 | 100 | 125 | 156 | 44 | 61 | 65 | 70 | 87 | 109 |
| 5.10 | 54 | 84 | 90 | 96 | 120 | 150 | 42 | 59 | 63 | 67 | 84 | 105 |
| 5.20 | 51 | 81 | 86 | 92 | 115 | 144 | 40 | 56 | 60 | 64 | 80 | 101 |
| 5.30 | 50 | 78 | 83 | 89 | 111 | 139 | | 54 | 58 | 62 | 77 | 97 |
| 5.40 | 48 | 75 | 80 | 86 | 107 | 134 | | 52 | 56 | 60 | 75 | 93 |
| 5.50 | 46 | 72 | 77 | 82 | 103 | 129 | | 50 | 54 | 58 | 72 | 90 |
| 5.60 | 44 | 70 | 75 | 80 | 99 | 124 | | 49 | 52 | 56 | 69 | 87 |
| 5.70 | 43 | 67 | 72 | 77 | 96 | 120 | | 47 | 50 | 54 | 67 | 84 |
| 5.80 | 41 | 65 | 70 | 74 | 93 | 116 | | 45 | 49 | 52 | 65 | 81 |
| 5.90 | | 63 | 67 | 72 | 90 | 112 | | 44 | 47 | 50 | 63 | 78 |
| 6.00 | | 61 | 65 | 69 | 87 | 108 | | 42 | 45 | 48 | 60 | 76 |
| 6.10 | | 59 | 63 | 67 | 84 | 105 | | 41 | 44 | 47 | 58 | 73 |
| 6.20 | | 57 | 61 | 65 | 81 | 101 | | | 42 | 45 | 57 | 71 |
| 6.30 | | 55 | 59 | 63 | 79 | 98 | | | 41 | 44 | 55 | 69 |
| 6.40 | | 53 | 57 | 61 | 76 | 95 | | | | 43 | 53 | 66 |
| 6.50 | | 52 | 55 | 59 | 74 | 92 | | | | 41 | 52 | 64 |
| 6.60 | | 49 | 53 | 56 | 70 | 88 | | | | | 50 | 62 |

PERFORATED STEEL
PERMISSIBLE SPAN (daN/m²) – Limitation of deflection: L/200
Perforated in valley - R6T12 (22,67%)

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 164 | 243 | | | | | 151 | 125 | 134 | 143 | 179 | 223 |
| 2.60 | 151 | 226 | 242 | | | | 138 | 121 | 129 | 138 | 172 | 215 |
| 2.70 | 140 | 210 | 225 | 240 | | | 127 | 116 | 125 | 133 | 166 | 208 |
| 2.80 | 130 | 196 | 210 | 224 | | | 117 | 112 | 120 | 128 | 160 | 200 |
| 2.90 | 121 | 183 | 197 | 210 | | | 108 | 108 | 115 | 123 | 154 | 192 |
| 3.00 | 112 | 172 | 184 | 197 | 246 | | 100 | 103 | 111 | 118 | 148 | 185 |
| 3.10 | 105 | 162 | 173 | 185 | 231 | | 93 | 99 | 106 | 114 | 142 | 177 |
| 3.20 | 98 | 152 | 163 | 174 | 218 | | 86 | 95 | 102 | 109 | 136 | 170 |
| 3.30 | 92 | 144 | 154 | 164 | 205 | | 80 | 92 | 98 | 105 | 131 | 164 |
| 3.40 | 87 | 136 | 146 | 155 | 194 | 243 | 75 | 88 | 94 | 101 | 126 | 157 |
| 3.50 | 82 | 127 | 137 | 146 | 182 | 228 | 70 | 85 | 91 | 97 | 121 | 151 |
| 3.60 | 77 | 119 | 127 | 136 | 170 | 212 | 67 | 81 | 87 | 93 | 116 | 145 |
| 3.70 | 72 | 111 | 119 | 127 | 159 | 199 | 65 | 78 | 84 | 90 | 112 | 140 |
| 3.80 | 68 | 104 | 112 | 119 | 149 | 186 | 63 | 74 | 80 | 85 | 106 | 133 |
| 3.90 | 65 | 98 | 105 | 111 | 139 | 174 | 60 | 70 | 75 | 80 | 100 | 125 |
| 4.00 | 61 | 92 | 98 | 105 | 131 | 163 | 58 | 66 | 70 | 75 | 94 | 117 |
| 4.10 | 58 | 86 | 92 | 98 | 123 | 154 | 57 | 62 | 66 | 71 | 89 | 111 |
| 4.20 | 55 | 81 | 87 | 92 | 115 | 144 | 55 | 59 | 63 | 67 | 84 | 104 |
| 4.30 | 52 | 76 | 81 | 87 | 109 | 136 | 53 | 55 | 59 | 63 | 79 | 99 |
| 4.40 | 50 | 72 | 77 | 82 | 102 | 128 | 51 | 52 | 56 | 60 | 75 | 94 |
| 4.50 | 47 | 68 | 72 | 77 | 96 | 121 | 50 | 50 | 53 | 57 | 71 | 89 |
| 4.60 | 45 | 64 | 68 | 73 | 91 | 114 | 48 | 47 | 50 | 54 | 67 | 84 |
| 4.70 | 43 | 60 | 64 | 69 | 86 | 107 | 46 | 45 | 48 | 51 | 64 | 80 |
| 4.80 | 41 | 57 | 61 | 65 | 81 | 101 | 45 | 43 | 46 | 49 | 61 | 76 |
| 4.90 | | 54 | 58 | 61 | 77 | 96 | 44 | 41 | 43 | 46 | 58 | 72 |
| 5.00 | | 51 | 54 | 58 | 73 | 91 | 42 | | 41 | 44 | 55 | 69 |
| 5.10 | | 48 | 52 | 55 | 69 | 86 | 41 | | | 42 | 53 | 66 |
| 5.20 | | 45 | 49 | 52 | 65 | 81 | | | | 40 | 50 | 63 |

|  SPAN (m) | POSITIVE LOADS | | | | | | NEGATIVE LOADS | | | | | |
|---|----------------|------|------|------|------|------|----------------|------|------|------|------|------|
| | Thickness (mm) | | | | | | Thickness (mm) | | | | | |
| | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 | 0,60 | 0,70 | 0,75 | 0,80 | 1,00 | 1,20 |
| 2.50 | 206 | | | | | | 161 | 226 | 242 | | | |
| 2.60 | 191 | | | | | | 149 | 209 | 223 | 238 | | |
| 2.70 | 177 | | | | | | 138 | 193 | 207 | 221 | | |
| 2.80 | 164 | | | | | | 129 | 180 | 193 | 206 | | |
| 2.90 | 153 | 240 | | | | | 120 | 168 | 180 | 192 | 239 | |
| 3.00 | 143 | 224 | 241 | | | | 112 | 157 | 168 | 179 | 224 | |
| 3.10 | 134 | 210 | 225 | 240 | | | 105 | 147 | 157 | 168 | 210 | |
| 3.20 | 126 | 197 | 211 | 226 | | | 99 | 138 | 148 | 157 | 197 | 246 |
| 3.30 | 118 | 186 | 199 | 212 | | | 93 | 129 | 139 | 148 | 185 | 231 |
| 3.40 | 111 | 175 | 187 | 200 | 250 | | 87 | 122 | 131 | 139 | 174 | 218 |
| 3.50 | 105 | 165 | 177 | 189 | 236 | | 82 | 115 | 123 | 132 | 164 | 206 |
| 3.60 | 99 | 156 | 167 | 178 | 223 | | 78 | 109 | 117 | 124 | 155 | 194 |
| 3.70 | 94 | 148 | 158 | 169 | 211 | | 74 | 103 | 110 | 118 | 147 | 184 |
| 3.80 | 89 | 140 | 150 | 160 | 200 | 250 | 70 | 98 | 105 | 112 | 139 | 174 |
| 3.90 | 85 | 133 | 142 | 152 | 190 | 237 | 66 | 93 | 99 | 106 | 132 | 166 |
| 4.00 | 81 | 126 | 135 | 144 | 180 | 226 | 63 | 88 | 94 | 101 | 126 | 157 |
| 4.10 | 77 | 120 | 129 | 137 | 172 | 215 | 60 | 84 | 90 | 96 | 120 | 150 |
| 4.20 | 73 | 115 | 123 | 131 | 164 | 205 | 57 | 80 | 86 | 91 | 114 | 143 |
| 4.30 | 70 | 109 | 117 | 125 | 156 | 195 | 55 | 76 | 82 | 87 | 109 | 136 |
| 4.40 | 67 | 104 | 112 | 119 | 149 | 186 | 52 | 73 | 78 | 83 | 104 | 130 |
| 4.50 | 64 | 100 | 107 | 114 | 143 | 178 | 50 | 70 | 75 | 80 | 99 | 124 |
| 4.60 | 61 | 95 | 102 | 109 | 136 | 171 | 48 | 67 | 71 | 76 | 95 | 119 |
| 4.70 | 58 | 91 | 98 | 105 | 131 | 163 | 46 | 64 | 68 | 73 | 91 | 114 |
| 4.80 | 56 | 88 | 94 | 100 | 125 | 157 | 44 | 61 | 66 | 70 | 87 | 109 |
| 4.90 | 54 | 84 | 90 | 96 | 120 | 150 | 42 | 59 | 63 | 67 | 84 | 105 |
| 5.00 | 52 | 81 | 87 | 92 | 115 | 144 | 40 | 56 | 60 | 64 | 81 | 101 |
| 5.10 | 50 | 78 | 83 | 89 | 111 | 139 | | 54 | 58 | 62 | 77 | 97 |
| 5.20 | 48 | 75 | 80 | 85 | 107 | 133 | | 52 | 56 | 60 | 74 | 93 |
| 5.30 | 46 | 72 | 77 | 82 | 103 | 128 | | 50 | 54 | 57 | 72 | 90 |
| 5.40 | 44 | 69 | 74 | 79 | 99 | 124 | | 48 | 52 | 55 | 69 | 86 |
| 5.50 | 43 | 67 | 72 | 76 | 95 | 119 | | 47 | 50 | 53 | 67 | 83 |
| 5.60 | 41 | 64 | 69 | 74 | 92 | 115 | | 45 | 48 | 51 | 64 | 80 |
| 5.70 | | 62 | 67 | 71 | 89 | 111 | | 43 | 46 | 50 | 62 | 77 |
| 5.80 | | 60 | 64 | 69 | 86 | 107 | | 42 | 45 | 48 | 60 | 75 |
| 5.90 | | 58 | 62 | 66 | 83 | 104 | | 41 | 43 | 46 | 58 | 72 |
| 6.00 | | 56 | 60 | 64 | 80 | 100 | | | 42 | 45 | 56 | 70 |
| 6.10 | | 54 | 58 | 62 | 78 | 97 | | | 41 | 43 | 54 | 68 |
| 6.20 | | 53 | 56 | 60 | 75 | 94 | | | | 42 | 52 | 65 |
| 6.30 | | 51 | 55 | 58 | 73 | 91 | | | | 41 | 51 | 63 |
| 6.40 | | 49 | 53 | 56 | 70 | 88 | | | | | 49 | 61 |
| 6.50 | | 48 | 51 | 55 | 68 | 85 | | | | | 48 | 60 |
| 6.60 | | 46 | 50 | 53 | 66 | 83 | | | | | 46 | 58 |

Non authorised.

For any further clarification, you can contact Technical Department (tecnico@europerfil.com or by phone).

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