

A20-L980-G13

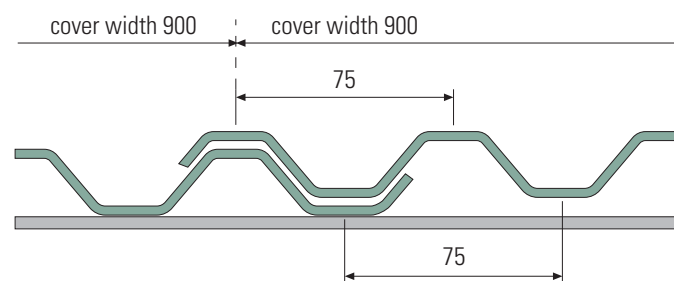
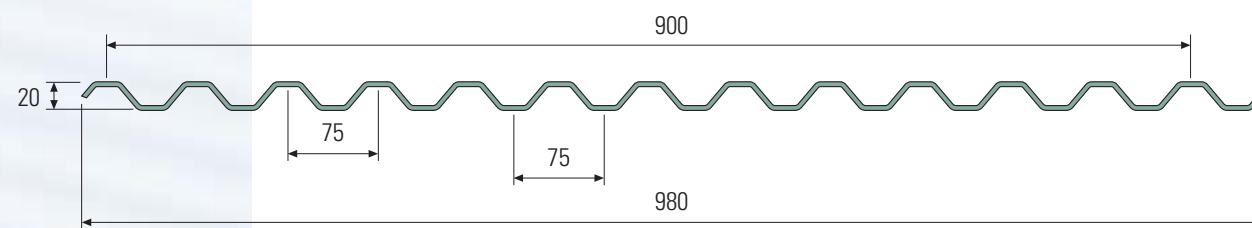


Corrugated sheet METECNO A20-L980 are made through cold shaping of aluminum alloy coils of various thickness. This process gives the product an optimal mechanical resistance, high walkability and remarkable resistance to corrosion. The high elasticity of the raw material allows for bending during installation with a minimum bent radius $R = 10\text{ m}$, without deformation. The sheets are available both painted and in goffered or mill finish natural aluminum color, with a minimum length of 500 mm and maximum length of 13,000 mm.

The standard painting cycle is based on polyester resins applied using a coil coating technique.

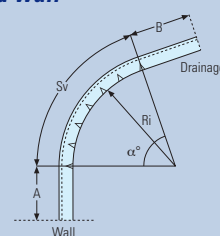
In addition to the standard colors available, custom-made colors based on samples or the RAL table can be made.

For additional technical information, refer to the METECNO A20-L980-G13 technical manual.

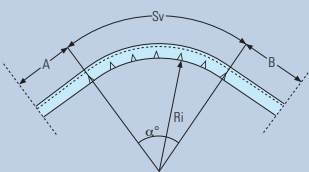


A = MINIMUM OVERLAPPING 200 mm
 Ri = MINIMUM INSIDE RADIUS 500 mm
 Sv = BENDING DEVELOPMENT
 B = MINIMUM OVERLAPPING 20 mm
 α° = BENDING ANGLE MULTIPLE OF 3°

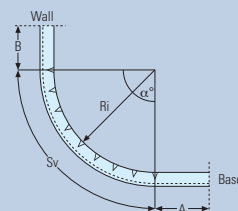
Joint between roofing and wall



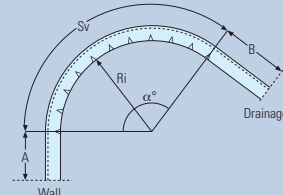
Bent sheets



Joint between wall and base



Joint on shed roofing



Corrugated sheet of aluminium alloy for roofing and siding

Profile A20-L980-G13 (Single span)

| S (mm) | Weight (Kg/m ²) covered load | Weight (Kg/ml) | J (cm ⁴ /m) | Wp (cm ³ /m) | Wn (cm ³ /m) | l = spans in meters p = daN/m ² | | | | | | | | | | |
|-----------|---|-------------------|---------------------------|----------------------------|----------------------------|---|------|------|------|------|------|------|------|------|--|--|
| | | | | | | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 | | |
| 0,60 | 2,20 | 1,98 | 5,11 | 4,65 | 4,41 | 137 | 70 | 41 | 26 | 17 | 12 | 9 | 7 | 5 | | |
| 0,70 | 2,57 | 2,31 | 6,04 | 5,92 | 5,67 | 162 | 83 | 48 | 30 | 20 | 14 | 10 | 8 | 6 | | |
| 0,80 | 2,94 | 2,64 | 6,97 | 7,29 | 6,91 | 187 | 96 | 56 | 35 | 23 | 16 | 12 | 9 | 7 | | |
| 1,00 | 3,67 | 3,30 | 8,83 | 9,24 | 8,75 | 237 | 122 | 70 | 44 | 30 | 21 | 15 | 11 | 9 | | |

Profile A20-L980-G13 (Double span)

| S (mm) | Weight (Kg/m ²) covered load | Weight (Kg/ml) | J (cm ⁴ /m) | Wp (cm ³ /m) | Wn (cm ³ /m) | l = spans in meters p = daN/m ² | | | | | | | | | | |
|-----------|---|-------------------|---------------------------|----------------------------|----------------------------|---|------|------|------|------|------|------|------|------|--|--|
| | | | | | | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 | | |
| 0,60 | 2,20 | 1,98 | 5,11 | 4,65 | 4,41 | 282 | 172 | 99 | 63 | 42 | 29 | 21 | 16 | 12 | | |
| 0,70 | 2,57 | 2,31 | 6,04 | 5,92 | 5,67 | 363 | 203 | 117 | 74 | 49 | 35 | 25 | 19 | 15 | | |
| 0,80 | 2,94 | 2,64 | 6,97 | 7,29 | 6,91 | 442 | 234 | 135 | 85 | 57 | 40 | 29 | 22 | 17 | | |
| 1,00 | 3,67 | 3,30 | 8,83 | 9,24 | 8,75 | 560 | 296 | 172 | 108 | 72 | 51 | 37 | 28 | 21 | | |

Profile A20-L980-G13 (Multiple span)

| S (mm) | Weight (Kg/m ²) covered load | Weight (Kg/ml) | J (cm ⁴ /m) | Wp (cm ³ /m) | Wn (cm ³ /m) | l = spans in meters p = daN/m ² | | | | | | | | | | |
|-----------|---|-------------------|---------------------------|----------------------------|----------------------------|---|------|------|------|------|------|------|------|------|--|--|
| | | | | | | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 | | |
| 0,60 | 2,20 | 1,98 | 5,11 | 4,65 | 4,41 | 259 | 133 | 77 | 48 | 32 | 23 | 17 | 12 | 10 | | |
| 0,70 | 2,57 | 2,31 | 6,04 | 5,92 | 5,67 | 306 | 157 | 91 | 57 | 38 | 27 | 20 | 15 | 11 | | |
| 0,80 | 2,94 | 2,64 | 6,97 | 7,29 | 6,91 | 353 | 181 | 105 | 66 | 44 | 31 | 23 | 17 | 13 | | |
| 1,00 | 3,67 | 3,30 | 8,83 | 9,24 | 8,75 | 448 | 229 | 133 | 84 | 56 | 39 | 29 | 22 | 17 | | |

Bent roofing (Multiple span)

| SPANS IN METERS Sheet thickness (mm) | SPREAD OVERLOAD IN daN/m ² | | | | | | | | | | | | | | | | | | | |
|---|---------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0,6 | | | | | 0,7 | | | | | 0,8 | | | | | 1,0 | | | | |
| | 10 | 12 | 16 | 20 | 30 | 10 | 12 | 16 | 20 | 30 | 10 | 12 | 16 | 20 | 30 | 10 | 12 | 16 | 20 | 30 |
| 1,00 | 39 | 99 | 174 | 218 | 259 | 88 | 158 | 246 | 299 | 306 | 135 | 215 | 317 | 353 | 353 | 170 | 272 | 401 | 448 | 448 |
| 1,25 | - | 63 | 111 | 133 | 133 | 56 | 101 | 157 | 157 | 157 | 87 | 138 | 181 | 181 | 181 | 109 | 175 | 229 | 229 | 229 |
| 1,50 | - | 44 | 77 | 77 | 77 | 39 | 71 | 91 | 91 | 91 | 60 | 96 | 105 | 105 | 105 | 75 | 121 | 133 | 133 | 133 |
| 1,75 | - | 32 | 48 | 48 | 48 | - | 52 | 57 | 57 | 57 | 44 | 66 | 66 | 66 | 66 | 56 | 84 | 84 | 84 | 84 |
| 2,00 | - | - | 32 | 32 | 32 | - | 38 | 38 | 38 | 38 | 34 | 44 | 44 | 44 | 44 | 43 | 56 | 56 | 56 | 56 |
| 2,25 | - | - | - | - | - | - | - | - | - | - | - | 31 | 31 | 31 | 31 | 34 | 39 | 39 | 39 | 39 |

The values of loads shown **p** in the table are calculated based on the following criteria:
 1) safety factor according to UNI 8634 rules for tensionssssss due to bending and for spread overloads
 2) span deflection for overload $f \leq l/200$.
 Red values do not provide for any limitation of deflection.