





THE COMPANY

Kamtsis Bros S.A. was founded in 1991 after the merger of companies K.KAMTSIS & Co and KAMTSIS BROS Co. The head offices of the company are in Thessaloniki. The sales network of the company includes all Greece and the Balkans with sales incurred by the company itself. The modern form of administration allows the company to operate and develop rapidly

FACILITIES

The facilities of the company is privately owned and covers an area of 3500 sq.m. in plots of 5.500 sq. m These facilities consist the administrative offices of the Company, as well as the storage spaces for raw materials and finished goods.

It must be noted that the company maintains a stable trade relationship with the biggest steel mills around the world and particularly with the members of the European Union.



PRODUCTS

The company manufactures, trades and exports the following materials :

- trapezoidal and corrugated sheet steel
(in different cross-sections and lengths upon request)
- Roofing metal tiles
- Purlins and stringers
- Special cross- sections Z & C
- Gutters
- Special items
- Ridges at all cross sections
- Flat sheets
- Small rolls
- Lanes
- Special items can be produced in colored or galvanized to length until 8.0 m and thickness until 4.00 mm

TRAPEZOIDAL STEEL METAL SHEETS

PROFIL 127/38 - 870 (940)



TRAPEZOIDAL
METAL TOP



STEEL METAL SHEETS

| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
|-------------------------|---------------------|-----------------|----------------------------|--|
| 0,35 | 940 | 870 | 3450 | 3920 |
| 0,40 | 940 | 870 | 3950 | 4480 |
| 0,45 | 940 | 870 | 4440 | 5040 |
| 0,50 | 940 | 870 | 4940 | 5600 |
| 0,55 | 940 | 870 | 5430 | 6160 |
| 0,60 | 940 | 870 | 5920 | 6720 |
| 0,65 | 940 | 870 | 6420 | 7280 |
| 0,70 | 940 | 870 | 6910 | 7840 |

ALOUZINC

| | | | | |
|------|-----|-----|------|------|
| 0,40 | 940 | 870 | 3810 | 4330 |
| 0,45 | 940 | 870 | 4290 | 4870 |
| 0,50 | 940 | 870 | 4770 | 5420 |
| 0,55 | 940 | 870 | 5240 | 5960 |
| 0,60 | 940 | 870 | 5720 | 6500 |
| 0,65 | 940 | 870 | 6200 | 7040 |
| 0,70 | 940 | 870 | 6670 | 7580 |

PREPAINTED

| | | | | |
|------|-----|-----|------|------|
| 0,40 | 940 | 870 | 3950 | 4480 |
| 0,45 | 940 | 870 | 4440 | 5040 |
| 0,50 | 940 | 870 | 4940 | 5600 |
| 0,55 | 940 | 870 | 5430 | 6160 |
| 0,60 | 940 | 870 | 5920 | 6720 |
| 0,65 | 940 | 870 | 6420 | 7280 |
| 0,70 | 940 | 870 | 6910 | 7840 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

| STEEL METAL SHEETS WIDTH | DISTANCE BETWEEN PURLINS | | | |
|-----------------------------|--------------------------|--------|--------|--------|
| | 1,50 m | 1,75 m | 2,00 m | 2,25 m |
| 0,35 | 200 kg | 147 kg | 113 kg | 83 kg |
| 0,40 | 229 kg | 168 kg | 129 kg | 101 kg |
| 0,45 | 258 kg | 189 kg | 145 kg | 114 kg |
| 0,50 | 286 kg | 210 kg | 161 kg | 127 kg |
| 0,60 | 343 kg | 252 kg | 193 kg | 153 kg |
| 0,70 | 401 kg | 294 kg | 225 kg | 178 kg |

UNIFORMLY DISTRIBUTED LOAD IN kg/m². WITHOUT ANY DISTORTION (for example, snow.)

LENGHT: 0 - 18 m

THICKNESS: 0,20 - 1,20 mm

USE: ROOF & SIDE WALL COVERING

QUALITY:

GALVANIZED , ALOUZINC,
PREPAINTED IN DIFFERENT COLORS



GALVANIZED



ALOUZINC



RED DP 302



WHITE
(RAL 9002)



BLUE
(RAL 5024)



CREAM
(RAL 1015)



BLUE
(RAL 5010)



GRAY
(RAL 7012)



SILVER
(RAL 9006)



GREEN
(RAL 6005)



GREEN
(RAL 6029)



YELLOW
(RAL1028)



RED
(RAL 3020)



BRONZE



BROWN
(RAL 8017)

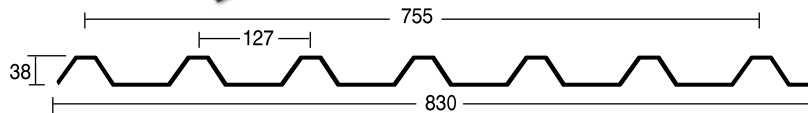
PERMITTED WEIGHT

TRAPEZOIDAL STEEL METAL SHEETS

PROFIL 127/38 - 755 (830)



TRAPEZOIDAL
METAL TOP



STEEL METAL SHEETS

| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
|-------------------------|---------------------|-----------------|----------------------------|--|
| 0,35 | 830 | 755 | 3040 | 4000 |
| 0,40 | 830 | 755 | 3480 | 4600 |
| 0,45 | 830 | 755 | 3915 | 5175 |
| 0,50 | 830 | 755 | 4350 | 5750 |
| 0,55 | 830 | 755 | 4785 | 6325 |
| 0,60 | 830 | 755 | 5220 | 6900 |
| 0,65 | 830 | 755 | 5655 | 7475 |
| 0,70 | 830 | 755 | 6090 | 8050 |

ALOUZINC

| | | | | |
|------|-----|-----|------|------|
| 0,40 | 830 | 755 | 3360 | 4480 |
| 0,45 | 830 | 755 | 3780 | 5040 |
| 0,50 | 830 | 755 | 4200 | 5600 |
| 0,55 | 830 | 755 | 4620 | 6160 |
| 0,60 | 830 | 755 | 5040 | 6720 |
| 0,65 | 830 | 755 | 5460 | 7280 |
| 0,70 | 830 | 755 | 5880 | 7840 |

PREPAINTED

| | | | | |
|------|-----|-----|------|------|
| 0,40 | 830 | 755 | 3480 | 4600 |
| 0,45 | 830 | 755 | 3915 | 5175 |
| 0,50 | 830 | 755 | 4350 | 5750 |
| 0,55 | 830 | 755 | 4785 | 6325 |
| 0,60 | 830 | 755 | 5220 | 6900 |
| 0,65 | 830 | 755 | 5655 | 7475 |
| 0,70 | 830 | 755 | 6090 | 8050 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

| STEEL METAL SHEETS WIDTH | DISTANCE BETWEEN PURLINS | | | |
|-----------------------------|--------------------------|--------|--------|--------|
| | 1,50 m | 1,75 m | 2,00 m | 2,25 m |
| 0,35 | 200 kg | 147 kg | 113 kg | 83 kg |
| 0,40 | 229 kg | 168 kg | 129 kg | 101 kg |
| 0,45 | 258 kg | 189 kg | 145 kg | 114 kg |
| 0,50 | 286 kg | 210 kg | 161 kg | 127 kg |
| 0,60 | 343 kg | 252 kg | 193 kg | 153 kg |
| 0,70 | 401 kg | 294 kg | 225 kg | 178 kg |

PERMITTED WEIGHT

UNIFORMLY DISTRIBUTED LOAD IN kg/m². WITHOUT ANY DISTORTION (for example, snow.)

LENGTH: 0 - 18 m

THICKNESS: 0,20 - 1,20 mm

USE: ROOF & SIDE WALL COVERING

QUALITY:

GALVANIZED , ALOUZINC,
PREPAINTED IN DIFFERENT COLORS



GALVANIZED



ALOUZINC



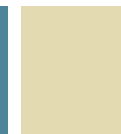
RED DP 302



WHITE
(RAL 9002)



BLUE
(RAL 5024)



CREAM
(RAL 1015)



BLUE
(RAL 5010)



GRAY
(RAL 7012)



SILVER
(RAL 9006)



GREEN
(RAL 6005)



GREEN
(RAL 6029)



YELLOW
(RAL 1028)



RED
(RAL 3020)



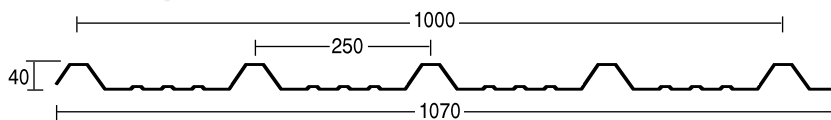
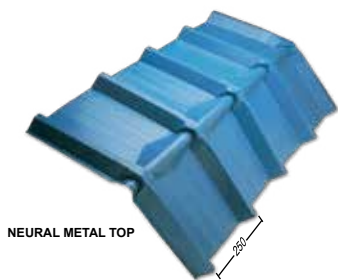
BRONZE



BROWN
(RAL 8017)

TRAPEZOIDAL STEEL METAL SHEETS - NEURAL

PROFIL 250/40 - 1000 (1070)



| STEEL METAL SHEETS | | | | |
|-------------------------|---------------------|-----------------|----------------------------|--|
| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |

| | | | | |
|------|------|------|------|------|
| 0,35 | 1070 | 1000 | 3500 | 3500 |
| 0,40 | 1070 | 1000 | 4000 | 4000 |
| 0,45 | 1070 | 1000 | 4500 | 4500 |
| 0,50 | 1070 | 1000 | 5000 | 5000 |
| 0,55 | 1070 | 1000 | 5500 | 5500 |
| 0,60 | 1070 | 1000 | 6000 | 6000 |
| 0,65 | 1070 | 1000 | 6500 | 6500 |
| 0,70 | 1070 | 1000 | 7000 | 7000 |

| ALOUZINC | | | | |
|-----------|---------------------|-----------------|----------------------------|--|
| THICKNESS | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
| 0,40 | 1070 | 1000 | 3880 | 3880 |
| 0,45 | 1070 | 1000 | 4365 | 4365 |
| 0,50 | 1070 | 1000 | 4850 | 4850 |
| 0,55 | 1070 | 1000 | 5335 | 5335 |
| 0,60 | 1070 | 1000 | 5820 | 5820 |
| 0,65 | 1070 | 1000 | 6305 | 6305 |
| 0,70 | 1070 | 1000 | 6790 | 6790 |

| PREPAINTED | | | | |
|------------|---------------------|-----------------|----------------------------|--|
| THICKNESS | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
| 0,40 | 1070 | 1000 | 4000 | 4000 |
| 0,45 | 1070 | 1000 | 4500 | 4500 |
| 0,50 | 1070 | 1000 | 5000 | 5000 |
| 0,55 | 1070 | 1000 | 5500 | 5500 |
| 0,60 | 1070 | 1000 | 6000 | 6000 |
| 0,65 | 1070 | 1000 | 6500 | 6500 |
| 0,70 | 1070 | 1000 | 7000 | 7000 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

| STEEL METAL SHEETS WIDTH | DISTANCE BETWEEN PURLINS | | | |
|-----------------------------|--------------------------|--------|--------|--------|
| ΣE mm | 1,50 m | 1,75 m | 2,00 m | 2,25 m |
| 0,35 | 141 kg | 104 kg | 79 kg | 63 kg |
| 0,40 | 160 kg | 118 kg | 90 kg | 71 kg |
| 0,50 | 199 kg | 146 kg | 112 kg | 88 kg |
| 0,60 | 240 kg | 176 kg | 135 kg | 107 kg |
| 0,70 | 279 kg | 205 kg | 157 kg | 124 kg |

UNIFORMLY DISTRIBUTED LOAD IN kg/m². WITHOUT ANY DISTORTION (for example, snow.)

LENGHT: 0 - 18 m
THICKNESS: 0,20 - 1,20 mm
USE: ROOF & SIDE WALL COVERING

QUALITY:
 GALVANIZED , ALOUZINC,
 PREPAINTED IN DIFFERENT COLORS



GALVANIZED ALOUZINC RED DP 302



WHITE (RAL 9002) BLUE (RAL 5024) CREAM (RAL 1015)



BLUE (RAL 5010) GRAY (RAL 7012) SILVER (RAL 9006)



GREEN (RAL 6005) GREEN (RAL 6029) YELLOW (RAL 1028)

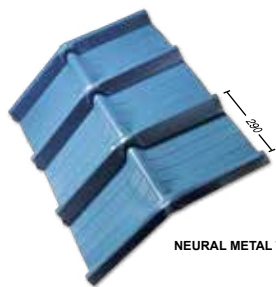


RED (RAL 3020) BRONZE BROWN (RAL 8017)

PERMITTED WEIGHT

TRAPEZOIDAL STEEL METAL SHEETS - NEURAL

PROFIL 290/38 - 880 (970)



NEURAL METAL TOP



| STEEL METAL SHEETS | | | | |
|-------------------------|---------------------|-----------------|----------------------------|--|
| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
| 0,40 | 970 | 880 | 3480 | 3950 |
| 0,45 | 970 | 880 | 3915 | 4460 |
| 0,50 | 970 | 880 | 4350 | 4940 |
| 0,55 | 970 | 880 | 4785 | 5434 |
| 0,60 | 970 | 880 | 5220 | 5900 |
| 0,65 | 970 | 880 | 5655 | 6422 |
| 0,70 | 970 | 880 | 6090 | 6900 |

| ALOUZINC | | | | |
|----------|-----|-----|------|------|
| 0,40 | 970 | 880 | 3360 | 3800 |
| 0,45 | 970 | 880 | 3780 | 4293 |
| 0,50 | 970 | 880 | 4200 | 4770 |
| 0,55 | 970 | 880 | 4620 | 5247 |
| 0,60 | 970 | 880 | 5040 | 5700 |
| 0,65 | 970 | 880 | 5460 | 6200 |
| 0,70 | 970 | 880 | 5880 | 6680 |

| PREPAINTED | | | | |
|------------|-----|-----|------|------|
| 0,40 | 970 | 880 | 3480 | 3950 |
| 0,45 | 970 | 880 | 3915 | 4460 |
| 0,50 | 970 | 880 | 4350 | 4940 |
| 0,55 | 970 | 880 | 4785 | 5434 |
| 0,60 | 970 | 880 | 5220 | 5900 |
| 0,65 | 970 | 880 | 5655 | 6422 |
| 0,70 | 970 | 880 | 6090 | 6900 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

| STEEL METAL SHEETS WIDTH | DISTANCE BETWEEN PURLINS | | | |
|-----------------------------|--------------------------|--------|--------|--------|
| | 1,50 m | 1,75 m | 2,00 m | 2,25 m |
| 0,35 | 94 kg | 68 kg | 52 kg | 41 kg |
| 0,40 | 107 kg | 78 kg | 60 kg | 48 kg |
| 0,45 | 120 kg | 88 kg | 68 kg | 53 kg |
| 0,50 | 134 kg | 98 kg | 75 kg | 59 kg |
| 0,60 | 161 kg | 118 kg | 90 kg | 71 kg |
| 0,70 | 188 kg | 138 kg | 105 kg | 83 kg |

UNIFORMLY DISTRIBUTED LOAD IN kg/m². WITHOUT ANY DISTORTION (for example, snow.)

LENGTH: 0 - 18 m

THICKNESS: 0,20 - 1,20 mm

USE: ROOF & SIDE WALL COVERING

QUALITY:

GALVANIZED , ALOUZINC,
PREPAINTED IN DIFFERENT COLORS



GALVANIZED



ALOUZINC



RED DP 302



WHITE
(RAL 9002)



BLUE
(RAL 5024)



CREAM
(RAL 1015)



BLUE
(RAL 5010)



GRAY
(RAL 7012)



SILVER
(RAL 9006)



GREEN
(RAL 6005)



GREEN
(RAL 6029)



YELLOW
(RAL 1028)



RED
(RAL 3020)



BRONZE



BROWN
(RAL 8017)

PERMITTED WEIGHT

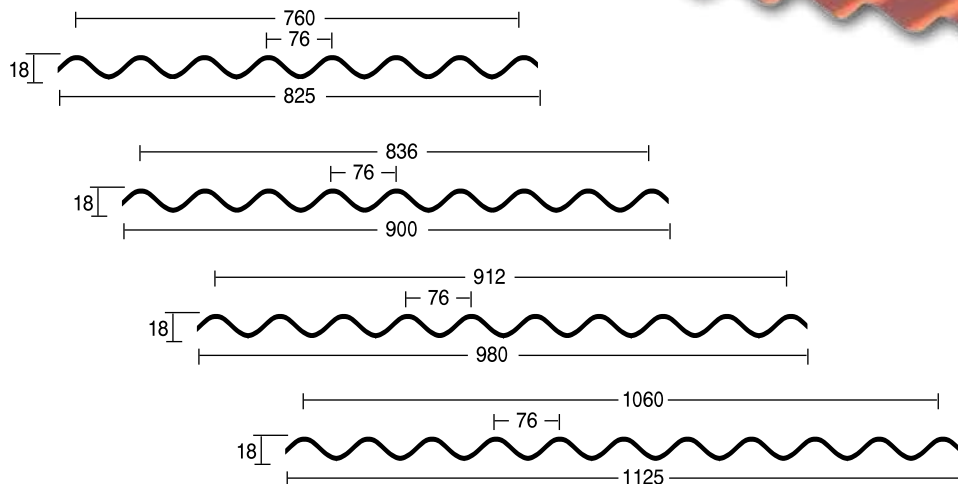
CORRUGATED WAVY STEEL SHEETS

PROFIL 76/18 - 760 (825)

76/18 - 836 (900)

76/18 - 912 (980)

76/18 - 1060 (1125)



STEEL METAL SHEETS

| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M ² WITH OVERLAP |
|-------------------------|---------------------|-----------------|----------------------------|--|
| 0,25 | 825 | 760 | 1800 | 2360 |
| 0,30 | 825 | 760 | 2130 | 2800 |
| 0,35 | 825 | 760 | 2500 | 3300 |
| 0,40 | 900 | 836 | 3120 | 3750 |
| 0,40 | 980 | 912 | 3430 | 3750 |
| 0,45 | 1125 | 1060 | 4450 | 4190 |
| 0,50 | 1125 | 1060 | 4810 | 4520 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

LENGTH: 0 - 18 m

THICKNESS: 0,20 - 1,20 mm

USE: ROOF & SIDE WALL COVERING

QUALITY:

GALVANIZED , ALOUZINC,
PREPAINTED IN DIFFERENT COLORS



GALVANIZED ALOUZINC RED DP 302



WHITE (RAL 9002) BLUE (RAL 5024) CREAM (RAL 1015)



BLUE (RAL 5010) GRAY (RAL 7012) SILVER (RAL 9006)



GREEN (RAL 6005) GREEN (RAL 6029) YELLOW (RAL 1028)



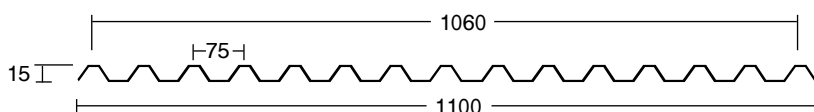
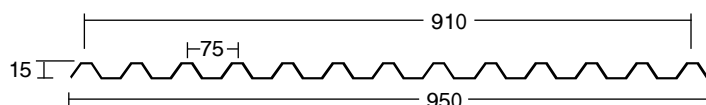
RED (RAL 3020) BRONZE (RAL 8017) BROWN (RAL 8017)

MINI TRAPEZOIDAL STEEL SHEETS

PROFIL 75/15 -755 (790)

75/15 -910 (950)

75/15 -1060 (1100)



LENGTH: 0 - 18 m

THICKNESS: 0,20 - 0,120 mm

USE: ROOF & SIDE WALL COVERING
DECORATION

QUALITY:

GALVANIZED , ALUOZINC,
PREPAINTED IN DIFFERENT COLORS

STEEL METAL SHEETS

| THICKNESS GALVANIZED | CORRUGATED WIDTH | USEFUL WIDTH | WEIGHT* PER LINEA METER | WEIGHT* M² WITH OVERLAP |
|-------------------------|---------------------|-----------------|----------------------------|----------------------------|
| 0,25 | 790 | 760 | 1790 | 2370 |
| 0,30 | 790 | 760 | 2150 | 2850 |
| 0,35 | 790 | 760 | 2500 | 3300 |
| 0,40 | 790 | 760 | 2880 | 3820 |
| 0,40 | 940 | 905 | 3450 | 3800 |
| 0,40 | 1090 | 1060 | 3830 | 3620 |
| 0,45 | 1090 | 1060 | 4450 | 4250 |
| 0,50 | 1090 | 1060 | 4850 | 4660 |

* THE ABOVE WEIGHTS ARE THEORETICALLY

| STEEL METAL SHEETS WIDTH | DISTANCE BETWEEN PURLINS | | | |
|-----------------------------|--------------------------|--------|--------|--------|
| | 0,75 m | 1,00 m | 1,25 m | 1,50 m |
| 0,25 | 186 kg | 80 kg | 40 kg | 24 kg |
| 0,30 | 230 kg | 98 kg | 52 kg | 30 kg |
| 0,35 | 280 kg | 118 kg | 60 kg | 35 kg |
| 0,40 | 322 kg | 135 kg | 70 kg | 40 kg |
| 0,45 | 368 kg | 155 kg | 81 kg | 45 kg |
| 0,50 | 414 kg | 175 kg | 91 kg | 51 kg |

UNIFORMLY DISTRIBUTED LOAD IN kg/m². WITHOUT ANY DISTORTION (for example, snow.)



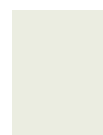
GALVANIZED



ALOUZINC



RED DP 302



WHITE
(RAL 9002)



BLUE
(RAL 5024)



CREAM
(RAL 1015)



BLUE
(RAL 5010)



GRAY
(RAL 7012)



SILVER
(RAL 9006)



GREEN
(RAL 6005)



GREEN
(RAL 6029)



YELLOW
(RAL 1028)



RED
(RAL 3020)



BRONZE

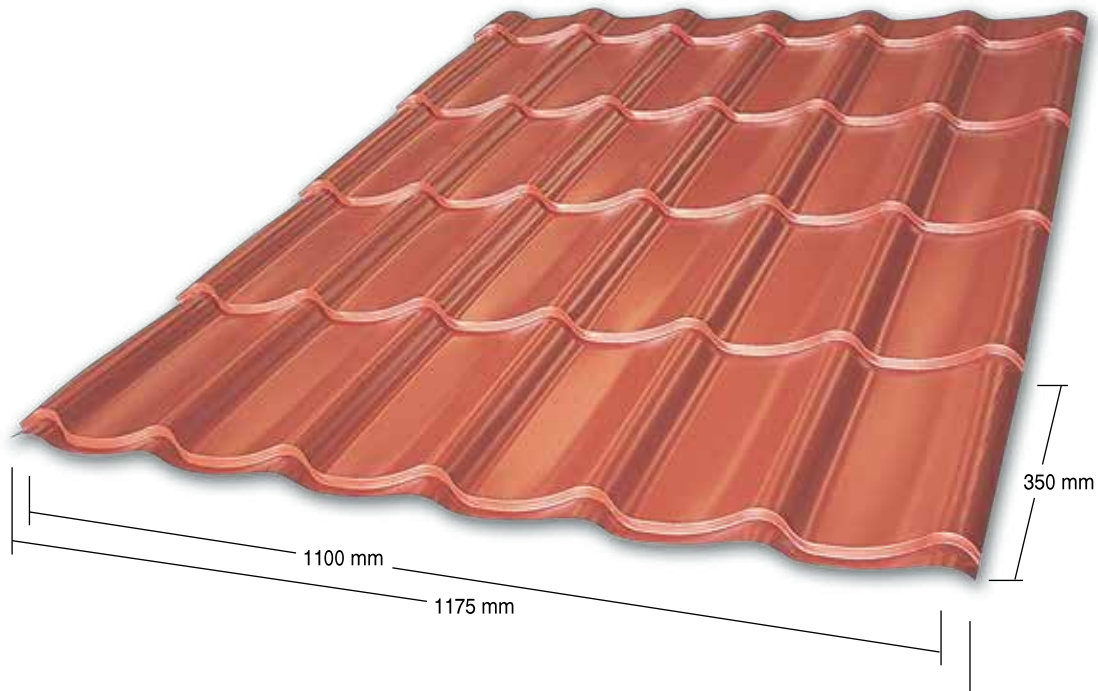


BROWN
(RAL 8017)

PERMITTED WEIGHT

ROOFING METAL TILES

PROFIL185/23 - 1100 (1175)



| DIMENSION - WEIGHTS | | | | |
|---------------------|-------------|--------------------------|----------|----------|
| RANGE OF TILES | LENGTH m | WEIGHT OF SHEETS IN Kgr. | | |
| | | 0.40 mm. | 0.45 mm. | 0.50 mm. |
| 1 | 0,49 | 2,08 | 2,34 | 2,6 |
| 2 | 0,84 | 3,44 | 3,87 | 4,3 |
| 3 | 1,19 | 4,88 | 5,49 | 6,1 |
| 4 | 1,54 | 6,32 | 7,11 | 7,9 |
| 5 | 1,89 | 7,76 | 8,73 | 9,7 |
| 6 | 2,24 | 9,20 | 10,35 | 11,5 |
| 7 | 2,59 | 10,64 | 11,97 | 13,3 |
| 8 | 2,94 | 12,08 | 13,59 | 15,1 |
| 9 | 3,29 | 13,52 | 15,21 | 16,9 |
| 10 | 3,64 | 14,96 | 16,83 | 18,7 |
| 11 | 3,99 | 16,40 | 18,45 | 20,5 |
| 12 | 4,34 | 17,76 | 19,98 | 22,2 |
| 13 | 4,69 | 19,20 | 21,60 | 24,0 |
| 14 | 5,04 | 20,64 | 23,22 | 25,8 |
| 15 | 5,39 | 22,08 | 24,84 | 27,6 |
| 16 | 5,74 | 23,52 | 26,46 | 29,4 |
| 17 | 6,09 | 24,96 | 28,08 | 31,2 |

LENGTH : UNLIMITED

(for easy use we recommend until 4.0 m. length.)

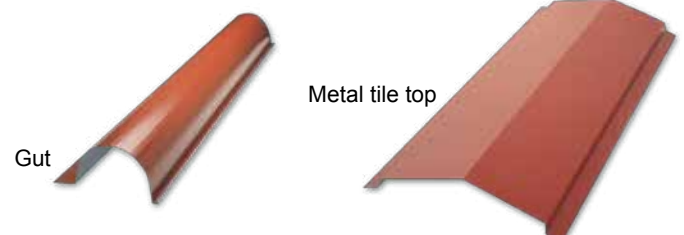
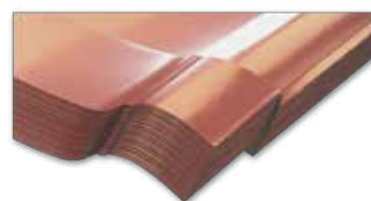
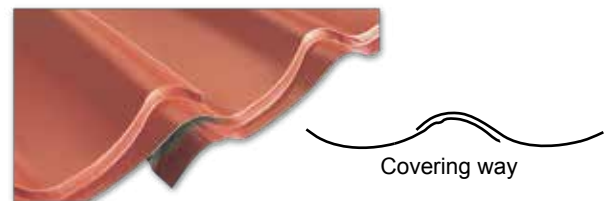
THICKNESS:0.40 – 0.60 mm.

TILE PITCH : 350 mm.

(upon order we deliver tiles also with different pitch.)

FIXATION : Maximum distance between purlin 50 cm.

QUALITY: From pre-painted galvanized metal sheets in red color.



Upon order we produce roofing metal tiles in other colors and also we produce tiles with covered film which protects them from mechanical damages until their use.

The fixation is made with screws of the same color.

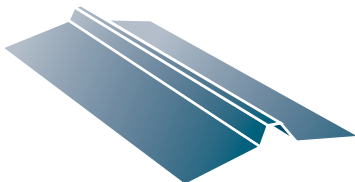
STEEL METAL TILES WITH SMALL CORRUGATION



FLAT STEEL METAL SHEETS



BABY ROLLS GALVANIZED – ALOUZINC – PREPAINTED



SIMPLE METAL TOP

QUALITY:
GALVANIZED , ALOUZINC,
PREPAINTED IN DIFFERENT COLORS



GALVANIZED ALOUZINC RED DP 302



WHITE (RAL 9002) BLUE (RAL 5024) CREAM (RAL 1015)



BLUE (RAL 5010) GRAY (RAL 7012) SILVER (RAL 9006)

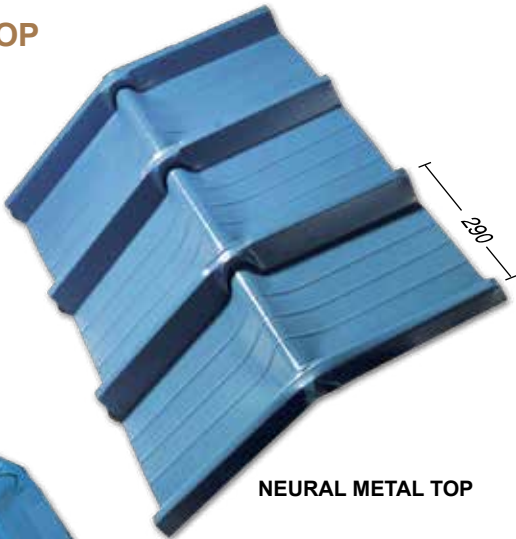


GREEN (RAL 6005) GREEN (RAL 6029) YELLOW (RAL 1028)

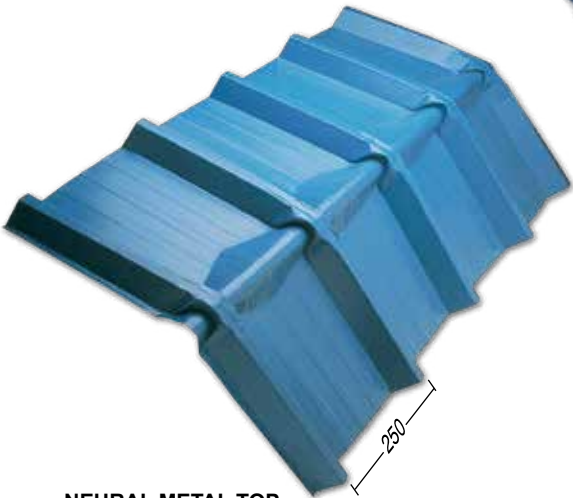


RED (RAL 3020) BRONZE BROWN (RAL 8017)

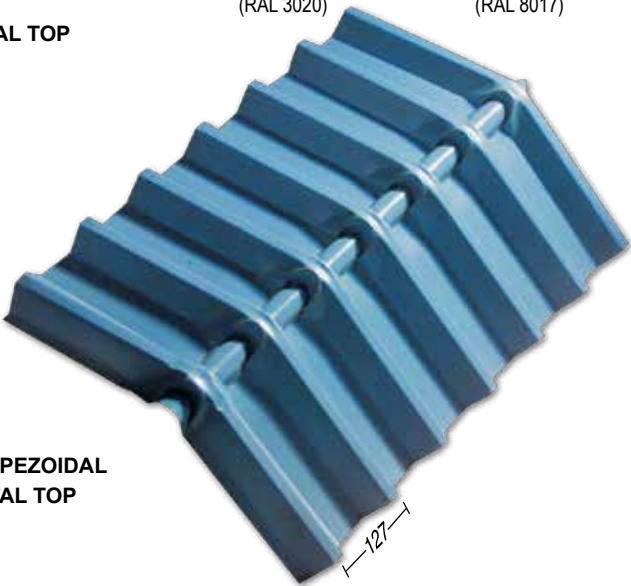
CORRUGATED METAL TOP



NEURAL METAL TOP

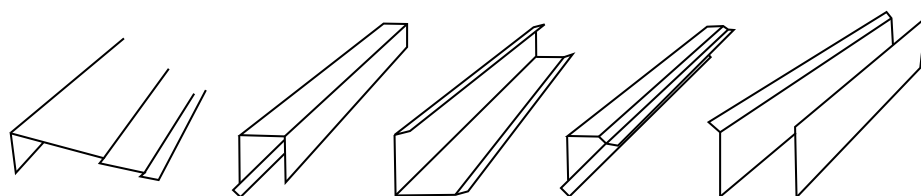
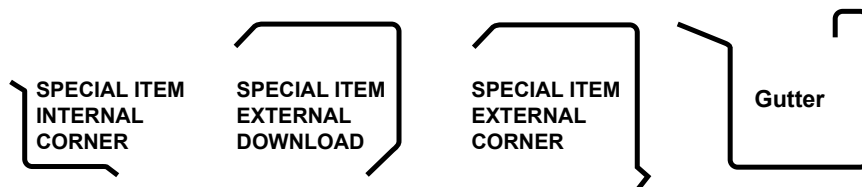
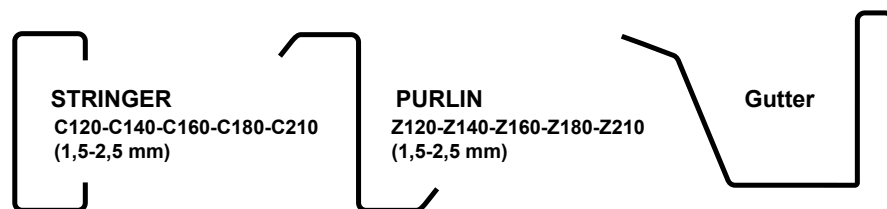


NEURAL METAL TOP



TRAPEZOIDAL
METAL TOP

SPECIAL ITEMS



THICKNESS: 0,40 - 4,00 mm
LEGHT: 0 - 8 m



GALVANIZED ALUOZINC RED DP 302



WHITE (RAL 9002) BLUE (RAL 5024) CREAM (RAL 1015)



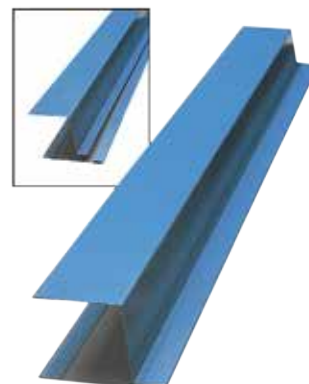
BLUE (RAL 5010) GRAY (RAL 7012) SILVER (RAL 9006)



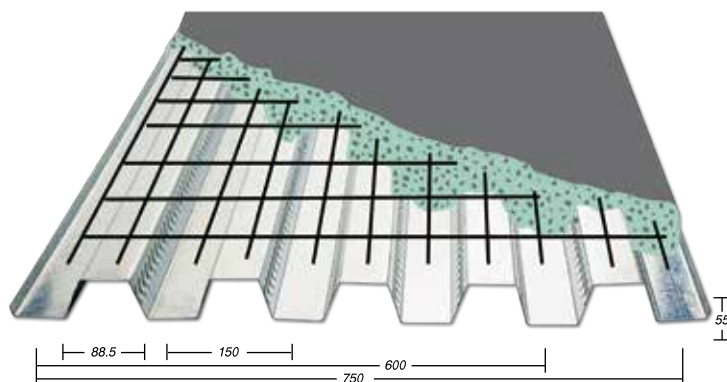
GREEN (RAL 6005) GREEN (RAL 6029) YELLOW (RAL 1028)



RED (RAL 3020) BRONZE BROWN (RAL 8017)



TRAPEZOIDAL SHEETS TYPE COMP-DECK (FOR COMPOSITE DECK)



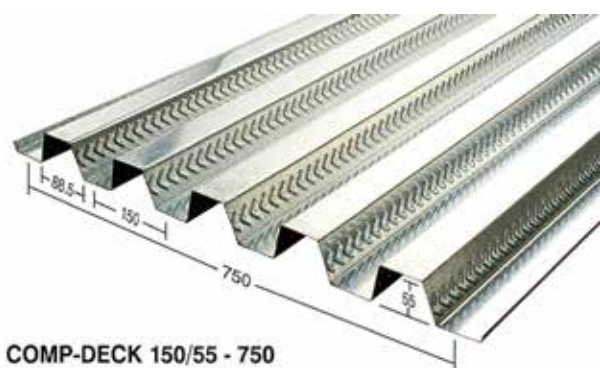
The trapezoidal sheets type **COMP-DECK** for composite deck , that are used as combination of trapezoidal corrugated metal sheets and concrete , impart a rigidity to the entire system , like those of conventionally reinforced slabs and make it possible to implement them in all types of construction (roof slab - building floor - loft mezzanine levels etc.)

The special feature of the trapezoidal steel sheet in construction , is besides of remaining planking ,that it acts as reinforcement and bending of the deck. So in most cases there is the need of minimal conventional equipment or non.

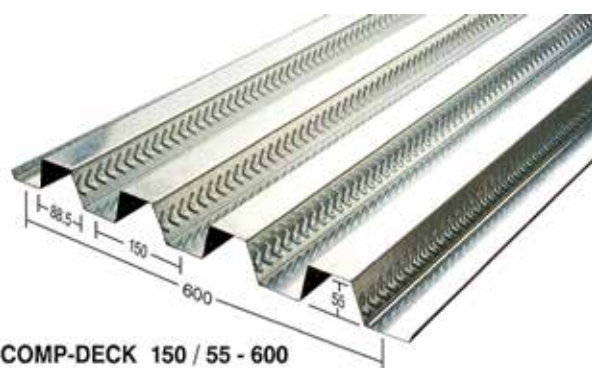
The above property is due to the densely arranged embossments that exist on the part of banks and allows excellent traction concrete - steel sheeting and avoid horizontal shear slip (detachment) between the materials .

The above decks offer significant advantages in construction , as : minimum construction time , lower cost due to reduced worker, elasticity and proper diaphragmatic function in earthquake construction .

The above profiles of metal sheets are delivered also without the side embossed projections (non composite) to be used as a conventional roof and wall covering for industrial buildings with large openings.



COMP-DECK 150/55 - 750



COMP-DECK 150 / 55 - 600






Metal sheets thickness : 0.7 mm. until 1.20 mm

LOAD OPENING TABLES (WITH BENDING RESTRICTION)

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.7 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.7 mm.
kg/m² : 9,16






MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 100 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,99 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous two openings | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,39 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  1 temporary support | 4,70 | 4,20 | 3,86 | 3,68 | 3,53 | 3,41 | 3,29 | 3,20 | 2,98 | 2,79 | 2,56 | 2,00 | 1,63 | 1,38 | 1,05 | 0,85 |
|  two temporary supports | 4,70 | 4,20 | 3,86 | 3,68 | 3,53 | 3,41 | 3,29 | 3,20 | 3,01 | 2,83 | 2,52 | 1,97 | 1,61 | 1,36 | 1,04 | 0,85 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.8 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.8 mm.
kg/m² : 10,47


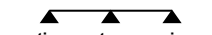
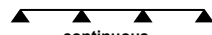


MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 100 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 2,19 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous two openings | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,64 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  1 temporary support | 4,85 | 4,33 | 3,98 | 3,80 | 3,64 | 3,51 | 3,40 | 3,30 | 3,11 | 2,92 | 2,58 | 2,00 | 1,63 | 1,38 | 1,05 | 0,85 |
|  two temporary supports | 4,85 | 4,33 | 3,98 | 3,80 | 3,64 | 3,51 | 3,40 | 3,30 | 3,11 | 2,92 | 2,52 | 1,96 | 1,61 | 1,36 | 1,04 | 0,85 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.0 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.0 mm.
kg/m² : 13,08






MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 100 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,43 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous two openings | 3,11 | 3,11 | 3,11 | 3,11 | 3,11 | 3,11 | 3,11 | 3,11 | 3,11 | 3,07 | 2,97 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,89 | 2,86 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  1 temporary support | 5,08 | 4,55 | 4,18 | 3,99 | 3,83 | 3,69 | 3,58 | 3,47 | 3,27 | 3,08 | 2,57 | 2,00 | 1,63 | 1,38 | 1,05 | 0,85 |
|  two temporary supports | 5,08 | 4,55 | 4,18 | 3,99 | 3,83 | 3,69 | 3,57 | 3,47 | 3,27 | 3,03 | 2,51 | 1,96 | 1,61 | 1,36 | 1,04 | 0,85 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.2 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.2 mm.
kg/m² : 15,70

MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 100 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,62 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous two openings | 3,51 | 3,51 | 3,51 | 3,51 | 3,51 | 3,51 | 3,51 | 3,51 | 3,41 | 3,20 | 2,97 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  continuous | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 3,10 | 2,97 | 2,23 | 1,78 | 1,49 | 1,11 | 0,89 |
|  1 temporary support | 5,27 | 4,72 | 4,34 | 4,15 | 3,98 | 3,84 | 3,72 | 3,61 | 3,41 | 3,11 | 2,57 | 2,00 | 1,63 | 1,38 | 1,05 | 0,85 |
|  two temporary supports | 5,27 | 4,72 | 4,34 | 4,15 | 3,98 | 3,84 | 3,72 | 3,61 | 3,41 | 3,02 | 2,51 | 1,96 | 1,61 | 1,36 | 1,04 | 0,85 |

LOAD OPENING TABLES (WITH BENDING RESTRICTION)

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.7 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.7 mm.
kg/m² : 9,16


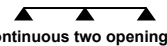
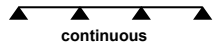


MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 110 mm.

| STATIC SYSTEM OF COMPOSITE DECK | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,92 | 1,64 | 1,23 | 0,98 |
|  continuous two openings | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 2,31 | 1,96 | 1,64 | 1,23 | 0,98 |
|  1 temporary support | 4,62 | 4,44 | 4,10 | 3,93 | 3,78 | 3,65 | 3,54 | 3,40 | 3,16 | 2,96 | 2,72 | 2,17 | 1,78 | 1,51 | 1,15 | 0,93 |
|  two temporary supports | 4,92 | 4,44 | 4,10 | 3,93 | 3,78 | 3,65 | 3,54 | 3,44 | 3,27 | 3,05 | 2,72 | 2,13 | 1,75 | 1,49 | 1,14 | 0,93 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.8 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.8 mm.
kg/m² : 10,47


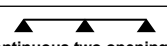
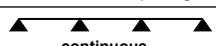


MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 110 mm.

| STATIC SYSTEM OF COMPOSITE DECK | IMPOSED LOAD | | | | | | | | | | | | | | | |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 2,12 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous two openings | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,55 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  1 temporary support | 5,07 | 4,58 | 4,23 | 4,05 | 3,90 | 3,77 | 3,65 | 3,55 | 3,35 | 3,14 | 2,79 | 2,17 | 1,78 | 1,51 | 1,15 | 0,93 |
|  two temporary supports | 5,07 | 4,58 | 4,23 | 4,05 | 3,90 | 3,77 | 3,65 | 3,55 | 3,37 | 3,18 | 2,72 | 2,13 | 1,75 | 1,48 | 1,14 | 0,93 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.0 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.0 mm.
kg/m² : 13,08


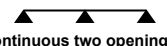
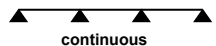


MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 110 mm.

| STATIC SYSTEM OF COMPOSITE DECK | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 2,38 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous two openings | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 3,00 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,82 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  1 temporary support | 5,32 | 4,81 | 4,45 | 4,26 | 4,10 | 3,96 | 3,84 | 3,73 | 3,55 | 3,35 | 2,78 | 2,17 | 1,78 | 1,50 | 1,15 | 0,93 |
|  two temporary supports | 5,32 | 4,81 | 4,45 | 4,26 | 4,10 | 3,96 | 3,84 | 3,73 | 3,55 | 3,25 | 2,71 | 2,13 | 1,75 | 1,48 | 1,14 | 0,92 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.2 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.2 mm.
kg/m² : 15,70

MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 110 mm.






| STATIC SYSTEM OF COMPOSITE DECK | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,56 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous two openings | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,43 | 3,24 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  continuous | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 3,03 | 2,45 | 1,96 | 1,64 | 1,23 | 0,98 |
|  1 temporary support | 5,51 | 4,99 | 4,62 | 4,43 | 4,26 | 4,12 | 3,99 | 3,88 | 3,69 | 3,35 | 2,78 | 2,17 | 1,77 | 1,50 | 1,15 | 0,93 |
|  two temporary supports | 5,51 | 4,99 | 4,62 | 4,43 | 4,26 | 4,12 | 3,99 | 3,88 | 3,69 | 3,25 | 2,71 | 2,12 | 1,74 | 1,48 | 1,14 | 0,92 |

LOAD OPENING TABLES (WITH BENDING RESTRICTION)

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.7 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.7 mm.
kg/m² : 9,16






MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 120 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,86 | 1,78 | 1,33 | 1,07 |
|  continuous two openings | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,13 | 1,78 | 1,33 | 1,07 |
|  continuous | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,24 | 2,13 | 1,78 | 1,33 | 1,07 |
|  1 temporary support | 4,47 | 4,47 | 4,34 | 4,17 | 4,02 | 3,86 | 3,70 | 3,55 | 3,31 | 3,11 | 2,86 | 2,33 | 1,91 | 1,62 | 1,25 | 1,01 |
|  two temporary supports | 5,13 | 4,67 | 4,34 | 4,17 | 4,02 | 3,89 | 3,77 | 3,67 | 3,43 | 3,21 | 2,90 | 2,28 | 1,88 | 1,60 | 1,23 | 1,00 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 0.8 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 0.8 mm.
kg/m² : 10,47






MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 120 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m² | 0,75 KN/m² | 1,50 KN/m² | 2,00 KN/m² | 2,50 KN/m² | 3,00 KN/m² | 3,50 KN/m² | 4,00 KN/m² | 5,00 KN/m² | 6,00 KN/m² | 7,50 KN/m² | 10,00 KN/m² | 12,50 KN/m² | 15,00 KN/m² | 20,00 KN/m² | 25,00 KN/m² |
|  simply supported | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 2,05 | 1,78 | 1,33 | 1,07 |
|  continuous two openings | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,13 | 1,78 | 1,33 |
|  continuous | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,47 | 2,13 | 1,78 | 1,33 |
|  1 temporary support | 4,94 | 4,82 | 4,48 | 4,30 | 4,15 | 4,01 | 3,89 | 3,77 | 3,51 | 3,30 | 2,98 | 2,33 | 1,91 | 1,62 | 1,24 | 1,01 |
|  two temporary supports | 5,29 | 4,82 | 4,48 | 4,30 | 4,15 | 4,01 | 3,89 | 3,79 | 3,61 | 3,41 | 2,90 | 2,28 | 1,88 | 1,60 | 1,23 | 1,00 |

TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.0 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.0 mm.
kg/m² : 13,08






MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 120 mm.

| | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| STATIC SYSTEM OF COMPOSITE DECK | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,33 | 2,13 | 1,78 | 1,33 | 1,07 |
|  continuous two openings | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,91 | 2,67 | 2,13 | 1,78 | 1,33 | 1,07 |
|  continuous | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,76 | 2,67 | 2,13 | 1,78 | 1,33 | 1,07 |
|  1 temporary support | 5,55 | 5,06 | 4,71 | 4,52 | 4,36 | 4,22 | 4,10 | 3,98 | 3,79 | 3,58 | 2,98 | 2,33 | 1,91 | 1,62 | 1,24 | 1,01 |
|  two temporary supports | 5,55 | 5,06 | 4,71 | 4,52 | 4,36 | 4,22 | 4,10 | 3,98 | 3,79 | 3,46 | 2,90 | 2,28 | 1,88 | 1,60 | 1,23 | 1,00 |

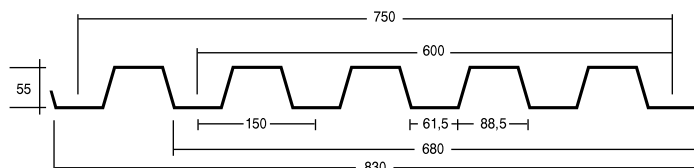
TYPE OF METAL SHEETS : COMP-DECK 55 / 150 / 1.2 mm.
(COMPOSITE DECK WITHOUT ADDITIONAL REINFORCEMENT BENDING)
ALLOWED OPENINGS IN (m.) BETWEEN SUPPORTS.

METAL SHEETS THICKNESS : 1.2 mm.
kg/m² : 15,70

MATERIAL : CORRUGATED METAL SHEET
CONCRETE - REINFORCING STEEL
PLATE THICKNESS ht = 120 mm.

| STATIC SYSTEM OF COMPOSITE DECK | IMPOSED LOAD | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | 0,00 KN/m ² | 0,75 KN/m ² | 1,50 KN/m ² | 2,00 KN/m ² | 2,50 KN/m ² | 3,00 KN/m ² | 3,50 KN/m ² | 4,00 KN/m ² | 5,00 KN/m ² | 6,00 KN/m ² | 7,50 KN/m ² | 10,00 KN/m ² | 12,50 KN/m ² | 15,00 KN/m ² | 20,00 KN/m ² | 25,00 KN/m ² |
|  simply supported | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,51 | 2,13 | 1,78 | 1,33 | 1,07 |
|  continuous two openings | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 3,32 | 2,67 | 2,13 | 1,78 | 1,33 | 1,07 |
|  continuous | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,97 | 2,67 | 2,13 | 1,78 | 1,33 | 1,07 |
|  1 temporary support | 5,76 | 5,26 | 4,89 | 4,70 | 4,53 | 4,39 | 4,26 | 4,14 | 3,95 | 3,57 | 2,97 | 2,33 | 1,91 | 1,62 | 1,24 | 1,01 |
|  two temporary supports | 5,76 | 5,26 | 4,89 | 4,70 | 4,53 | 4,39 | 4,26 | 4,14 | 3,95 | 3,45 | 2,89 | 2,27 | 1,88 | 1,60 | 1,23 | 1,00 |

METAL SHEETS TYPE COMP-DECK 55/600/750



DIMENSION & OPENING – METAL SHEETS WEIGHT

| METAL SHEETS THICKNESS mm. | TOTAL CORRUGATED METAL SHEET WIDTH mm. | NET AXIAL METAL SHEETS DEPTH | METAL SHEETS OPENING WEIGHT | |
|-------------------------------|--|------------------------------------|--------------------------------|-------------------|
| | | | Kg/ml | Kg/m ² |
| 0,60 | 680 | 600 | 4,71 | 7,85 |
| | 830 | 750 | 5,88 | |
| 0,70 | 680 | 600 | 5,50 | 9,16 |
| | 830 | 750 | 6,87 | |
| 0,80 | 680 | 600 | 6,28 | 10,47 |
| | 830 | 750 | 7,85 | |
| 1,00 | 680 | 600 | 7,85 | 13,08 |
| | 830 | 750 | 9,81 | |
| 1,25 | 680 | 600 | 9,42 | 15,70 |
| | 830 | 750 | 11,78 | |

ADDITIONAL INACTIVITY METAL SHEETS SIZE

| METAL SHEETS THICKNESS (mm.) | 0,6 | 0,7 | 0,8 | 1 | 1,25 |
|---------------------------------|-------|-------|-------|-------|-------|
| J= INERTIA MOMENT | 38,95 | 47,72 | 55,13 | 70,66 | 86,33 |
| W= TORQUE RESISTANCE TO BENDING | 10,78 | 13,29 | 15,75 | 21,08 | 26,67 |

BRIEF INFORMATION TABLE

OBSERVATION : IN BELOW TABLES IS CONSIDER US BOUNDARY DEFORMATION PRESERVATIVES THE 1/200 OF OPENING

TABLE MAXIMUM ALLOWED LOADS (Kg/m²) FOR MAXIMUM ARROW. ≤1/200

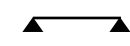
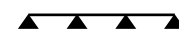
| | | DISTANCE m | | | | | | | | | | | | | |
|---|------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| THICKNESS mm | | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 | 3,25 | 3,50 | 3,75 | 4,00 | 4,25 |
|  simply supported | 0,6 | 1205 | 770 | 535 | 395 | 300 | 235 | 190 | 150 | 115 | 90 | 75 | 60 | 50 | - |
| | 0,7 | 1490 | 955 | 660 | 485 | 370 | 295 | 240 | 185 | 140 | 110 | 90 | 70 | 60 | 50 |
| | 0,8 | 1765 | 1130 | 785 | 575 | 440 | 350 | 280 | 210 | 165 | 130 | 105 | 85 | 70 | 55 |
| | 1,0 | 2360 | 1510 | 1050 | 770 | 590 | 465 | 375 | 270 | 210 | 165 | 130 | 105 | 90 | 75 |
| | 1,25 | 2985 | 1910 | 1325 | 975 | 745 | 590 | 475 | 335 | 255 | 200 | 160 | 130 | 110 | 90 |
| BENDING ARROW cm | | 0,19 | 0,30 | 0,45 | 0,60 | 0,79 | 1,00 | 1,22 | 1,37 | 1,50 | 1,62 | 1,75 | 1,87 | 2,00 | 2,12 |

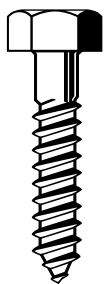
TABLE MAXIMUM ALLOWED LOADS (Kg/m²) FOR MAXIMUM ARROW. ≤1/200

| | | DISTANCE m | | | | | | | | | | | | | |
|---|------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| THICKNESS mm | | 1,00 | 1,25 | 1,50 | 1,75 | 2,00 | 2,25 | 2,50 | 2,75 | 3,00 | 3,25 | 3,50 | 3,75 | 4,00 | 4,25 |
|  continuous | 0,6 | 1510 | 965 | 670 | 495 | 375 | 300 | 240 | 200 | 165 | 140 | 120 | 100 | 80 | 65 |
| | 0,7 | 1860 | 1190 | 825 | 605 | 465 | 365 | 295 | 245 | 205 | 175 | 150 | 120 | 100 | 85 |
| | 0,8 | 2205 | 1410 | 980 | 720 | 550 | 435 | 350 | 290 | 245 | 210 | 170 | 140 | 115 | 95 |
| | 1,0 | 2950 | 1890 | 1310 | 965 | 735 | 580 | 470 | 390 | 325 | 280 | 220 | 180 | 150 | 120 |
| | 1,25 | 3735 | 2390 | 1660 | 1220 | 935 | 735 | 595 | 495 | 415 | 355 | 270 | 220 | 180 | 150 |
| BENDING ARROW cm | | 0,14 | 0,23 | 0,33 | 0,45 | 0,58 | 0,75 | 0,92 | 1,11 | 1,33 | 1,57 | 1,75 | 1,87 | 2,00 | 2,12 |

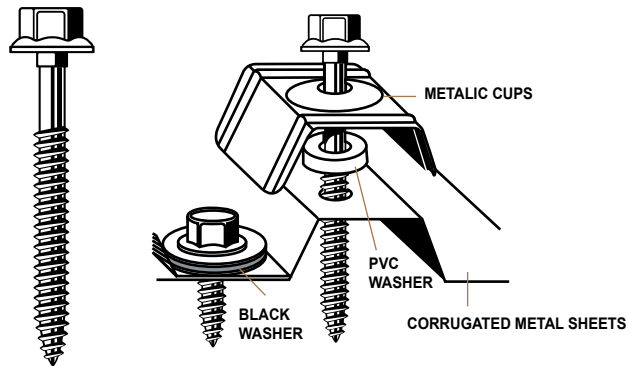


CONNECTION & SUPPORTING MATERIALS

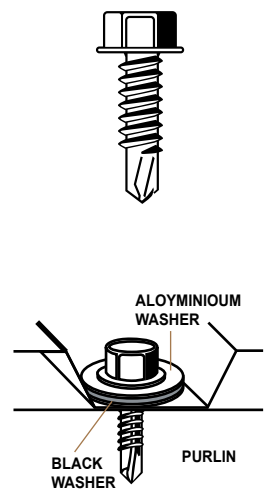
WOOD SCREW



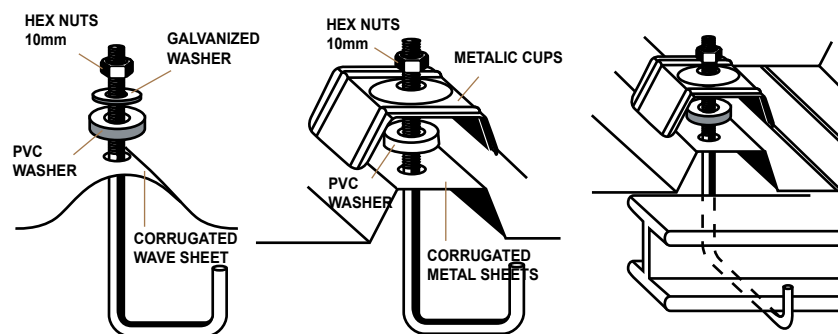
SELF TAPPING SCREWS



SELF DRILLING SCREWS



HOOKS





Kamtsis Bros S.A.
STEEL METAL SHEETS
Industrial Area SINDOS B' Area P.O.Box 57022 Thessaloniki Greece
T. +30 2310 798587, 796751, 796752 F +30 2310 797354
e-mail kamtsis@the.forthnet.gr www.kamtsis.com.gr