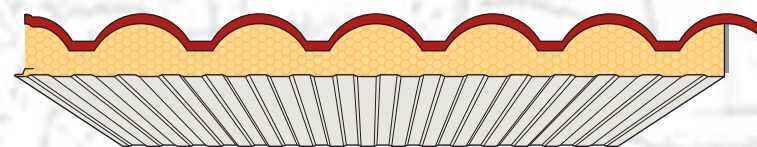
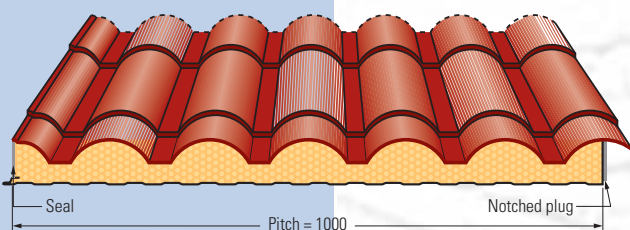
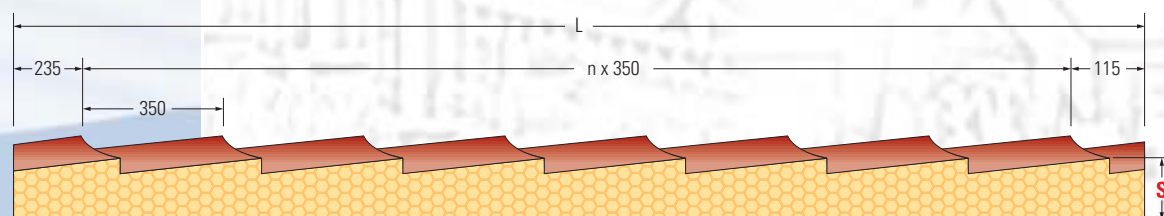




METCOPPO® is a composite panel, comprising two metal plate coverings connected by a layer of PUR insulating material. It is self-supporting, monolithic, insulating, resistant and light. **METCOPPO®** panels are used as roofing elements with slopes $\geq 15\%$ in the civil building sector and can be installed on any type of roof structure (wood and/or metal). The geometric configuration of the outer plate follows the shape of a classic roof tile, giving the panel a pleasant, elegant appearance. Panel fixing is of the "visible" type. The outer side of the panel made of tile shaped plate can be of pre-painted zinc steel, pre-painted aluminium or copper natural. The steel and aluminium may be pre-painted a brick red colour to look like classic roof tiles. The inner side of the panel is pre-painted zincked steel. The continuous thickness of the polyurethane insulating material makes an excellent barrier against the dispersion of heat in winter and the entry of the sun's rays in summer. For additional technical information, refer to the **METCOPPO®** technical manual.

Dimensional standard

The panels are produced in modular widths of 1000 mm. and are available in the following standard lengths from a minimum of 2450 mm. to a maximum of 12600 mm.



Inner side:

- Made of steel plate complying with UNI-EN 10326 Standard
- Thickness: 0.4
- Surface 1: micro-staves with 25 mm. planes, pre-painted METCOLOR, MT 133 standard system
- Surface 2: embossed micro-staves, with 25 mm. planes, pre-painted METCOLOR, RAL 9010 standard system.
- Surface 3: stave depth 1.5 cm. pre-painted artificial wood

Thermal Insulation:

Polyurethane foam on request Class 2, complying with the Ministerial Decree of 26/06/1984. Normal thickness: 50 mm.

Outer side:

- Made of steel plate, complying with UNI-EN 10326 Standard
- Thickness: 0,6 mm.
- Made of aluminium plate, complying with UNI-EN 485-2 Standard
- Thickness: 0.6 mm
- Made of copper plate, complying with UNI-EN 1172 Standard
- Thickness: 0.5 mm
- Surface corrugated, corrugation pitch 166.66 mm., corrugation depth 40 mm.
- Painted with a first coat of epoxy primer of a thickness not inferior to 5 micron and then a second coat of METCOLOR STANDARD RAL 8004 system, brilliancy 5 gloss (excluding copper).

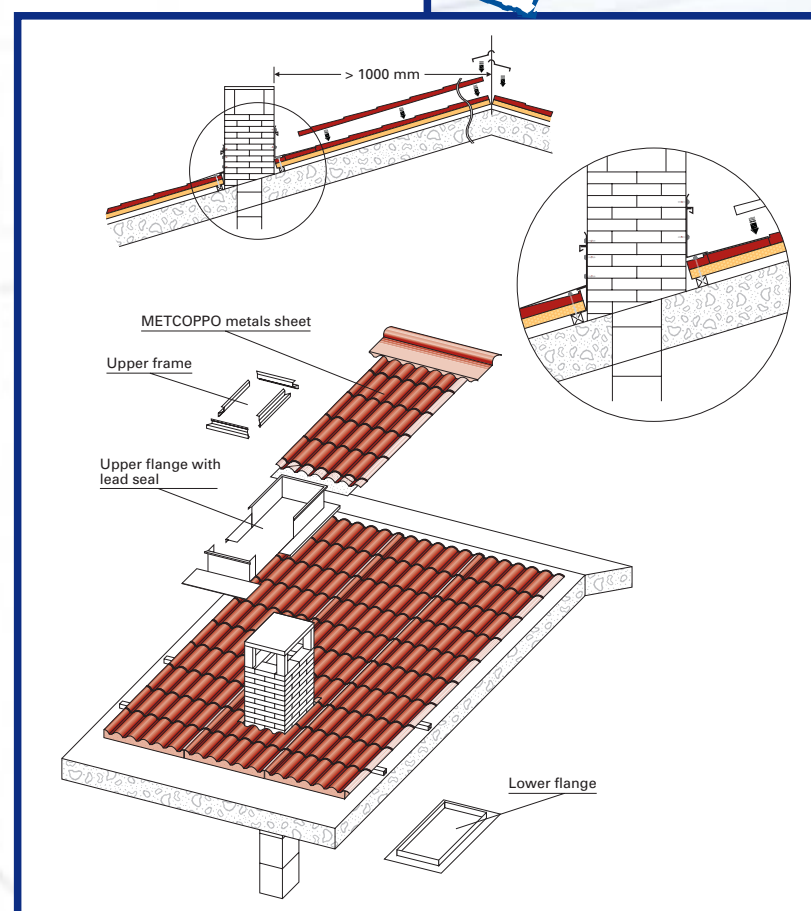


Table of maximum loads

Value guaranteed with specified sheets in table. The spans l (m) as a function of a uniformly distributed overload p (daN/m²), have been obtained from load tests carried out in Metecno laboratories, and provide a deflection $f \leq l/200$ with a safety coefficient that complies with the UEAtc standards for insulated panels, which have been established and are implemented by primary European Certifying Organizations.

Span (mm)	S mm	K		Panel weight kg/m ²	p															
		Kcal m ² °C	Watt m ² °C		l = mm															
External pre-painted steel sheet, 6/10 mm Internal pre-painted steel sheet, 4/10 mm	40	0,30	0,35	11,22	1050	1400	1750	2100	2450	2800	3150	3500	559	360	261	200	158	128	106	88
External pre-painted aluminium sheet, 6/10 mm Internal pre-painted aluminium sheet, 4/10 mm	40	0,30	0,35	7,45	1050	1400	1750	2100	2450	2800	3150	3500	398	270	196	149	116	92	74	61
External copper sheet, 5/10 mm Internal copper sheet, 4/10 mm	40	0,30	0,35	10,90	1050	1400	1750	2100	2450	2800	3150	3500	574	386	283	217	170	136	112	100

Span (mm)	S mm	K		Panel weight kg/m ²	p															
		Kcal m ² °C	Watt m ² °C		l = mm															
External pre-painted steel sheet, 6/10 mm Internal pre-painted steel sheet, 4/10 mm	50	0,26	0,30	11,62	1050	1400	1750	2100	2450	2800	3150	3500	590	384	286	222	178	146	121	101
External pre-painted aluminium sheet, 6/10 mm Internal pre-painted aluminium sheet, 4/10 mm	50	0,26	0,30	7,85	1050	1400	1750	2100	2450	2800	3150	3500	440	304	224	170	134	109	87	71
External copper sheet, 5/10 mm Internal copper sheet, 4/10 mm	50	0,26	0,30	11,30	1050	1400	1750	2100	2450	2800	3150	3500	621	429	320	247	196	158	129	106

