

Technical Sheet

Code : FI-COM-03

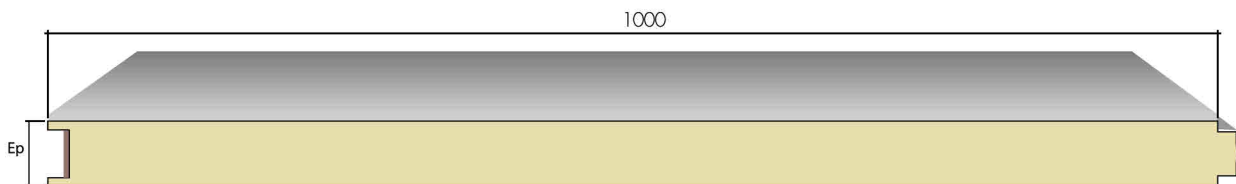
Version : 01

Date : 07/06/2017

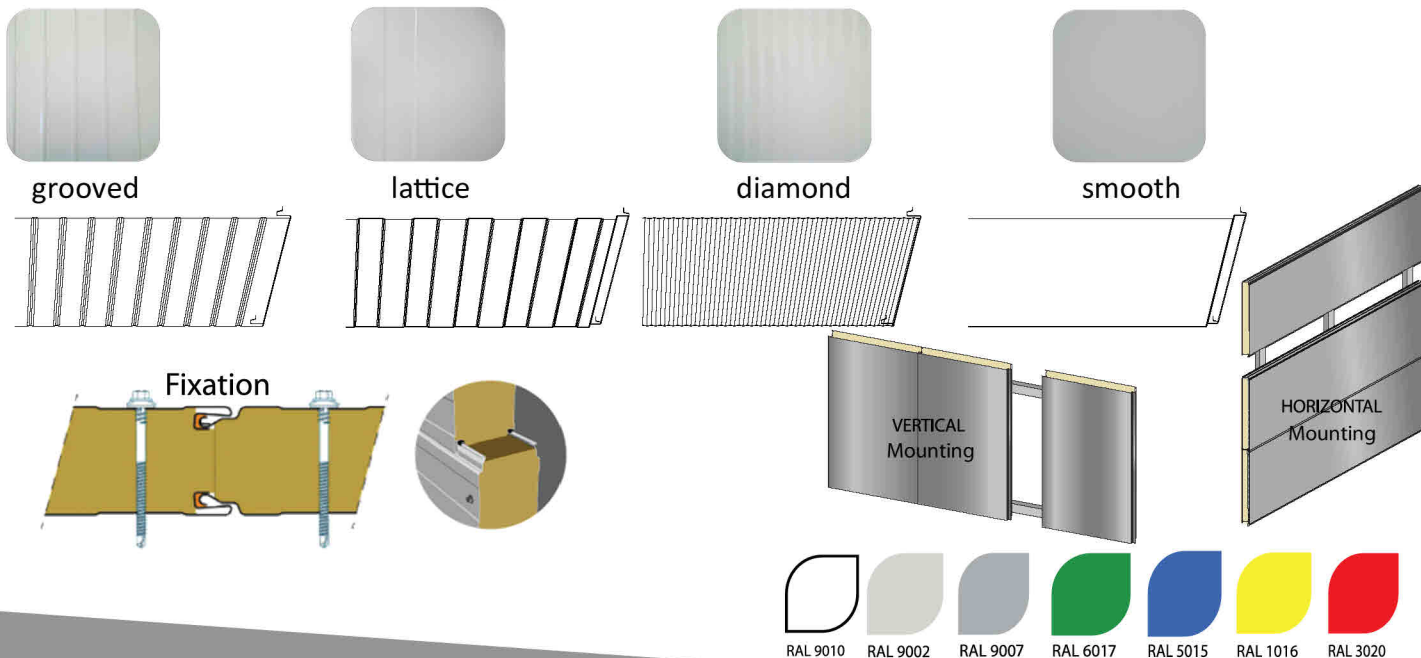
Sandwich panels for cladding

Sandwich panels for cladding is a panels for mobile partitions, prefabricated garages, cold rooms, exhibition stands, sliding gates and false ceilings. It is an ideal component for projects requiring a lightweight, solid and insulating product it prevents both air passage and thermal bridges. It is the ideal product for false ceilings and the covering of insulating walls. With its versions "lattice", "grooved", "smooth" and "diamond", in fact it participates in the design of a new architecture clear, simple and regular.

Width	1 metre
Minimum length	2 metre
Maximum length	12 metre
Insulating core	Polyurethane foam PUR rigid without CFC
Density	40 (+/- 3) Kg/m³
Thickness of the panels	40/50/60 mm
Fire classification	B.S3.d0
Type of metal	Pre-painted galvanized sheet
Standard Thickness of External Metal	0.40/ 0.50 mm
Thermal conductivity	0,022W / m. °C
Current Standards	EN 12667/NT 79.68 ; EN 10169/NT26.161 EN 14509 ; EN 13501-1
Identification of steel	Shade S250, S280, S320, DX51D



Siding available for ordering



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Thermal characteristics

U transmittance	PANEL NOMINAL THICKNESS (mm)		
	40	50	60
W/m ² K	0,55	0,44	0,37
Kcal/m ² h °C	0,47	0,38	0,32

Static characteristics (kg/m²)



External facing: steel 0.4 mm.
Internal facing: steel 0.4 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	236	145	115	90	65	50					7,42
50	297	185	150	115	85	65	50				7,81
60	357	225	180	140	105	80	60	50			8,20

Effective width support: 120 mm

Calculation for static sizing according to the Annex E of the UNI EN 14509 standard
Deflection limit 1/200 l

Static characteristics (kg/m²)



External facing: steel 0.4 mm.
Internal facing: steel 0.4 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	95	-	65	50					7,42
50	245	160	-	100	80	65	50				7,81
60	295	195	155	125	95	75	-	50			8,20

Effective width support: 120 mm

Calculation for static sizing according to the Annex E of the UNI EN 14509 standard
Deflection limit 1/200 l

Static characteristics (kg/m²)



External facing: steel 0.4 mm.
Internal facing: steel 0.4 mm.

PANEL THICKNESS (mm)	DISTANCE BETWEEN SUPPORTS (ml)										WEIGHT (Kg/m ²)
	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	
40	195	125	100	80	70	60	50				7,42
50	245	160	125	105	90	75	60	50			7,81
60	295	195	155	125	110	85	70	55	50		8,20

Effective width support: 120 mm

Calculation for static sizing according to the Annex E of the UNI EN 14509 standard
Deflection limit 1/200 l