

Technical Sheet

Code : FI-COM-03

Version : 01

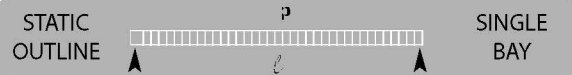
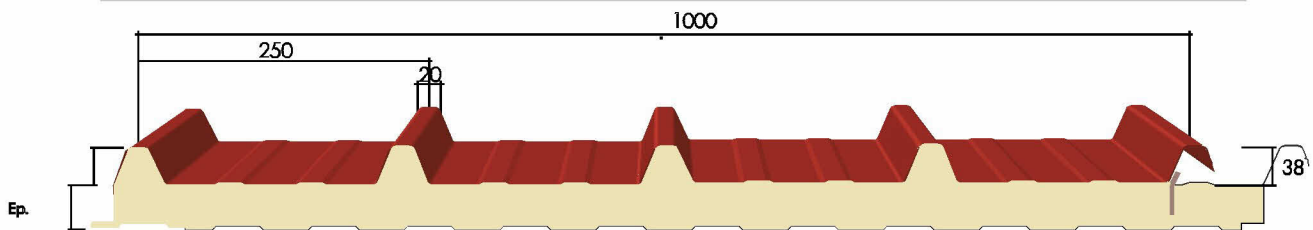
Date : 07/06/2017

ROOFING PANELS

The roofing sandwich panels are composed of two metal sheets and injected, rigid, polyurethane foam. The insulated sandwich panels resist humidity, mould and bacteria, and are adapted for external and ceiling installations. Once installed following the recommended specifications, the system allows buildings to maintain controlled environments, thanks to strict tolerances, and a precise insulated panel manufacturing process. The construction of the industrial buildings with sandwich panels minimizes thermal bridges consequently minimizes the energy fees.

All our systems are designed and adapted to fulfill most of the requirements and needs of the today market.

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	40/50/60/80 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

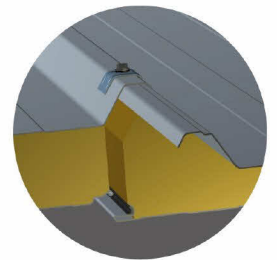


Static characteristics (kg/m²)

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	290	200	135	90	65						8,17
50	315	230	160	115	85	65					8,55
60	370	275	195	145	110	85	60				8,93
80	485	360	265	200	155	120	95	70	50		9,69

Calculation for static sizing according to the Annex E of the UNI EN 14509 standard
Deflection limit 1/2001

Fixation



Thermal characteristics

U transmittance	PANEL NOMINAL THICKNESS (mm)			
	40	50	60	80
W/m ² K	0,551	0,446	0,375	0,285
Kcal/m ² h °C	0,475	0,385	0,324	0,246

