

**HUURRE**  
AMÉRICA

**LT ROOF**

**INSUPANEL®PIR** 

# DECK UNIMETALLIC CEILING LT

The INSUPANEL® PIR<sup>FR</sup> Huurre Panama offers excellent features for energy savings and fire resistance.

It is certified for use both indoors and outdoors, and for applications requiring protection from solar radiation on the roof or deck.

The INSUPANEL® PIR<sup>FR</sup> It has been specifically developed to offer the greatest fire safety in applications that also require a high degree of insulation.

The 33-42 kg/m<sup>3</sup> nominal density polyisocyanurate insulation core is injected between a ribbed or smooth surface structural steel sheet and coating of polyester or epoxy.

Its excellent fire performance and high insulating capacity are due to the use of a high-index polyisocyanurate core with a highly cross-linked cyclic structure, developed and marketed exclusively by HUURRE.

## GENERAL CHARACTERISTICS OF HUURRE INSUPANELS®



Length  
3mts-16mts



Useful  
width 1.00  
mts



Thermal  
insulator and  
acoustic



Energy  
saving



Quality  
Guaranteed



**Thicknesses:** 10, 20 and 30 mm

Possibility of overlapping for roofs of more than 16m long.

High mechanical resistance that allows greater spacing between supports.

Option to suppress the installation of skyfalse or other finishing detail.



## PROPERTIES OF THE COATING

PROPERTY	METHOD	LT ROOF
Top layer		Colored or colorless lacquer
Aluminum		8011/8079/1050 O/H18
Bottom layer		Gold or colorless PU adhesive
Standard colors		Colorless, white
Adherence	ASTM D-3359	No delamination
Bent	ECCA 7 (0 ≤ T BEND ≤ 1)	OK
Polymerization	Resistance to MEK	>50 df
Heat resistance	240°C/ 2 min	OK
Corrosion resistance	ASTM B117 (NaCl 5%/35°C)	>500 h (according to specification >1000 h)
UV resistance	ASTM G154 (500 h.; UV-313 4h. 60°C / Condensation 4h. 40°C)	OK

## MECHANICAL STRENGTH AND UTILIZATION TABLES (daN/m<sup>2</sup>)

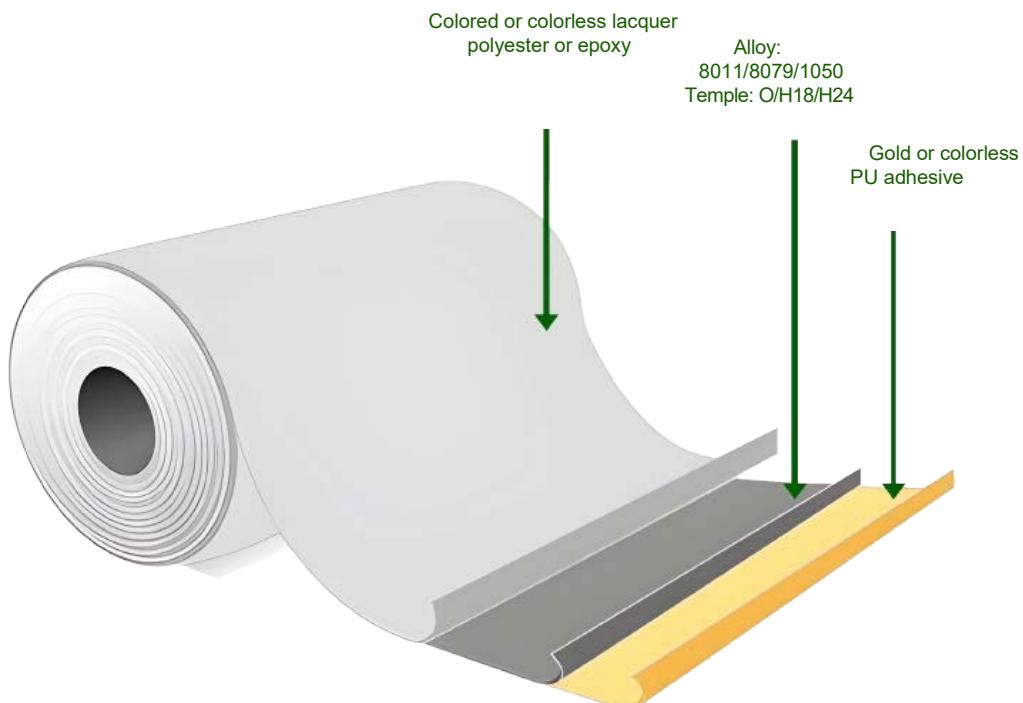
The INSUPANEL® PIR  It is suitable for use in walls, ceilings and exterior enclosures of facades, thanks to its high rigidity, impact resistance and high durability.

The following tables indicate the maximum allowable distances between supports (m) depending on the panel thickness (mm) and the characteristic pressure load (unweighted) uniformly distributed (daN/m<sup>2</sup>).

TWO SUPPORTS 	THICKNESS (mm)	Load (Kg/m <sup>2</sup> )						
		50	75	100	125	150	175	200
	10	1.90m	1.50m	1.30m	1.15m	1.05m	1.00m	0.95m
	20	1.95m	1.55m	1.35m	1.20m	1.10m	1.05m	1.00m
	30	2.00m	1.60m	1.40m	1.25m	1.15m	1.10m	1.05m

## ADVANTAGES OF COATING

- Very good barrier against moisture, gas and light
- The lacquers, specially developed by our technical department, provide an excellent resistance to weather and UV light
- It can be laminated to other materials (foams, plastic and others) to form high performance insulating and barrier products.





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