HUURRE
AMÉRICA

PLATE

FR

INSUPANEL®PIR

PIR PLATE

The INSUPANEL® PIR PLATE from Huurre Panama offers excellent performance in terms of 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 PLATE 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/m³ nominal density polyisocyanurate insulating core with excellent fire performance and high insulating capacity with a high index and highly cross-linked cyclic structure, developed and marketed exclusively by HUURRE.

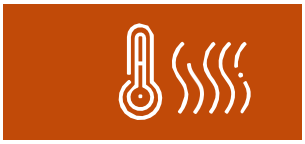
GENERAL CHARACTERISTICS OF HUURRE INSUPANELS®

- Length 3mts - 16mts
- Useful Width 1.00 mts
- Thermal insulatorand acoustic
- Savingof energy
- Quality Guaranteed

DIMENSIONS, WEIGHT AND THERMAL PERFORMANCES
Useful width: 1m
Manufacturing length: 3 to 16m
Conductivity thermal: 0.0195W/mK
Conductivity thermal declared 1: 0.0215 W/mk (considering coreaged)
Density of the core insulating: 37 ± 4kg/m³
Worth of compression: 120 - 150kPa

Insulating core thickness (A)	Weight (m²)	Factor U	Factor R
40mm	1.4	0.09 - 0.08	10.65 - 12.15
50mm	1.75	0.07- 0.06	14.2 -16.2

ADVANTAGES OF THE POLYISOCYANURATE (PIR) CORE



Excellent thermal efficiency

The polyisocyanurate insulating core has excellent thermal performance, with a thermal conductivity of only 0.019 W/M²K*
*Aged Core

High fire protection

It has a high resistance to fire, providing high safety in the event of fire. Its composition does not allow the spread of fire and does not emit toxic smoke.

High Strength and Durabili

Being resistant to humidity, the functional performance of the PIR Core does not decrease over time, ensuring high resistance.

Resistance to Biological Agents

The INSUPANEL® PIR PLATE HUURRE's insulation core is immune to attack by fungi, moulds and other biological agents thanks to the closed structure of the insulating core. They are therefore ideal for applications requiring a high level of hygiene and sanitation (agri-food sector, laboratories, etc.)

Self-protected insulating core

In contact with fire, the polyisocyanurate core generates a carbonization layer that acts as a protective barrier and limits the spread of flames to inner layers.

PHYSICAL PROPERTIES

Core specifications
Foam rigid of Polyisocyanurate (Core P I R)

Medium density
33-42Kgs/M³ with a structure of at least 90% closed cells, in accordance with ASTM-D 1622 and ASTM-D 2856 standards.

Chemical resistance
Excellent resistance to water, sea water, acid vapors, most solvents, hydrocarbons and mineral oils.

Serving temperature
Minimum: -70°C (Depending on the thickness of the panel and the coatings on the plate).
Maximum:+ 1 2 0 ° C .

Mechanical Properties
Effort of compression: 1.22 - 1.52 Kg. / Cm² (20Lbs./In³).

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