

# PRODUCT SAFETY SHEET

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## 1. Product identification

**Panels:** HI-F, HI-F40, HI-FK, HI-CT, HI-XT, HI-ST, HI-AWP, LR, LRA

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## 2. Composition

The self-standing insulating sandwich panel comprises two steel or stainless steel faces, with a rigid polyisocyanurate foam core (PIR or PIRM), QuadCore insulation or stone wool.

### Use of the product:

► **HI-F, HI-F40, HI-FK, LR, LRA**

For wall and ceiling claddings, on steel structures and on steel or aluminium ceiling supports. The longitudinal connection is executed by means of double tongue and groove. Fixed to the structure using “Chinese” and “Japanese” accessories.

► **HI-CT**

For roof claddings with the ribs on the direction of the slope and fixed on steel, concrete and wooden structures. The longitudinal connection is executed by means of tongue and groove joints of the inner face and the panel is fastened to the structure by its lateral half-ribs. Once the panels joined, the installation is complemented with press-ft flashing to cover the screws. Screws will be those required for the structure and the thickness of the panel.

► **HI-XT**

For roof cladding, with the ribs in the direction of the slope and fixed on steel, concrete or wooden structures. The longitudinal connection is executed by means of tongue and groove joints of the inner face and by overlapping the lateral wave with without foam to the wave with foam of the adjacent panel. The panel is fastened to the structure by the upper part of all the waves or the half of them. The screws will be those suitable for the environment, the thickness of the panel and the nature of the support.

► **HI-ST, HI-AWP**

For facade cladding and interior walls in horizontal or vertical position, on steel, concrete or wooden structures. It is indispensable to observe the exterior and inner faces position. The longitudinal joining is done by means of tongue-and-groove of the inner face and coating of the fixings by the flange of the adjacent panel. The screws will be those suitable for the environment, the thickness of the panel and the nature of the support.

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## 3. Probable hazards

► **Classification:**

Non-classified product.

► **Health hazard:**

No specific hazards are known. It must be considered that the panels are cut to length at the end of the manufacturing process using a saw and that the cut edges may have chips or burrs that could cause cuts or scratches.



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## 4. First aid

► **Eyes:**

In the case of eye irritation caused by contact with dust, rinse them with abundant water.

► **Nose and throat:**

If the dust produces nose and throat irritation, drink water and clean your nose.

► **Skin:**

If irritation is produced because of hyper-sensitivity to contact with polyurethane or polyisocyanurate, the exposed surface must be carefully washed. Seek medical help if the symptoms persist.

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## 5. Fire-fighting methods

► **Specific risks:**

The products of thermal decomposition during combustion are carbon and nitrogen oxides with traces of hydrocyanic acid.

► **Extinction means:**

A powder, CO<sub>2</sub> or sprayed water extinguisher may be used.

► **Protection equipment:**

Clothing providing full coverage and self-contained breathing apparatus.

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## 6. Cleaning / collection methods

- Do not use compressed air for cleaning, use a vacuum cleaner instead.
- Avoid releasing it into the environment. The product is inert with respect to the environment.
- The steel may be recycled when separated from the insulation.
- In the case of roof tiles, the larger particles can be swept up and treated as non-hazardous waste.

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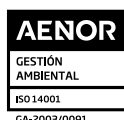
## 7. Handling and storage

Before handling the panel with the crane, check that the stretchable plastic that secures the panels is in good condition and that it maintains the consistency of the packet. Flat slings must be used and, in the case of long packets, we recommend fitting the hook with a load lifting rocker arm with adequate dimensions for limiting panel sag during handling.

Handling must also be carried out using a forklift, with the blades adapted if there is paving in adequate conditions. Fork separation must be set to avoid excessive sag of the panels.

If the panels are stored outside without strapping, they may be lifted and carried off by the wind.

In the case of roofs, there must be no working with panels in high winds. Furthermore, the risk of falling must be taken into account if walking on inclined roofs when they are humid or wet.



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## 8. Personal protection equipment (PPE)

► **Skin protection:**

Wear protective gloves when handling panels.

► **Eye protection:**

Protective goggles must be worn when cutting panels.

► **Breathing protection:**

If the panel is to be cut in a manner that produces a lot of dust in the area, we recommend wearing a facemask with a filter for solid particles.

► **Body protection:**

Wear standardised work clothing.

## 9. Physical and chemical properties

► **Physical state:**

Solid.

► **Appearance:**

Greenish (PIR), pinkish (PIRM), grey (QuadCore 2.0) insulation core or brown (stone wool). When exposed to sunlight, the most superficial layer of the insulating foam may undergo colour changes towards more yellowish and brown shades.

► **Explosion hazard:**

None.

► **Smell / Solubility:**

None / insoluble in water.

## 10. STABILITY AND REACTIVITY

► **Explosion hazard:**

In case of long storage periods, the conditions must allow the evaporation of any condensation that might appear between panels due to temperature changes.

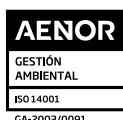
► **Materials to avoid:**

Solvents (acetone, dimethylformamide, etc.).

Steel is corroded by acids and alkalis

► **Hazardous products by decomposition:**

The products of thermal decomposition during combustion are carbon and nitrogen oxides with traces of hydrocyanic acid.



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## 11. Toxicological information

It does not contain any substances that are hazardous to health. However, it is necessary to consider the toxicity of combustion smoke and that the dust produced by machining may produce eye and throat irritation.

Certain people are sensitive to skin contact with polyurethane.

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## 12. Ecological information

It is an inert material that remains stable over time. No adverse effects to the environment are expected from this material.

Non-bioaccumulative products. They do not contain HCFCs or CFCs.

Products with PIR, PIRM and Quadcore 2.0 cores float in water.

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## 13. Instructions for elimination

- ▶ The sheet is recyclable material.
  - ▶ The insulation must be treated like an inert product and be disposed of according to current legislation.
  - ▶ With respect to packaging, the protection polystyrene and polyethylene are recyclable materials.
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## 14. Transport

None of the panel components are classified by ADR, RID, IATA or IMDG as a regulated substance.

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## 15. Regulatory information

The product does not require labelling according to Directive 91/155/CE.

The labelling does not require Hazard Symbols, Risk Phrases or Safety Phrases.

The information in this document is based on our current knowledge and it is our intention to describe the product only in relation to health, safety and the environment. Therefore, it must not be interpreted as a guarantee of any specific property of the product. Consequently, the user is exclusively responsible for deciding if this information is appropriate and useful.

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## 16. Other information

The information contained herein is offered in good faith and is based on our current knowledge. We thus maintain the right to update and modify this document as necessary.

The information should not be taken as a guarantee of specific use and users should make their own assessment and make all applicable personnel aware.

Please refer to sections 7 and 8 for safe handling and appropriate safety measures.

Users should visit the Huurre Iberica website and/or contact technical support to ensure that the information is up to date.

This safety data sheet does not constitute an assessment of the workplace.

The information provided does not constitute a product specification and neither an express or implied warranty is hereby made.

The information relates only to the specific material designated when used in the applications for which it is intended.

This information may not be valid for product used in combination with any other material or any other process unless specified in the text.

### **Huurre Ibérica S.A.U.**

Carrer Serinyà 43  
Polígon Industrial el Trust  
E17244 Cassà de la Selva  
Girona (Spain)

☎ (+34) 972 463 085

📠 (+34) 972 463 208

✉ huurre@huurreiberica.com

**www.huurreiberica.com**

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