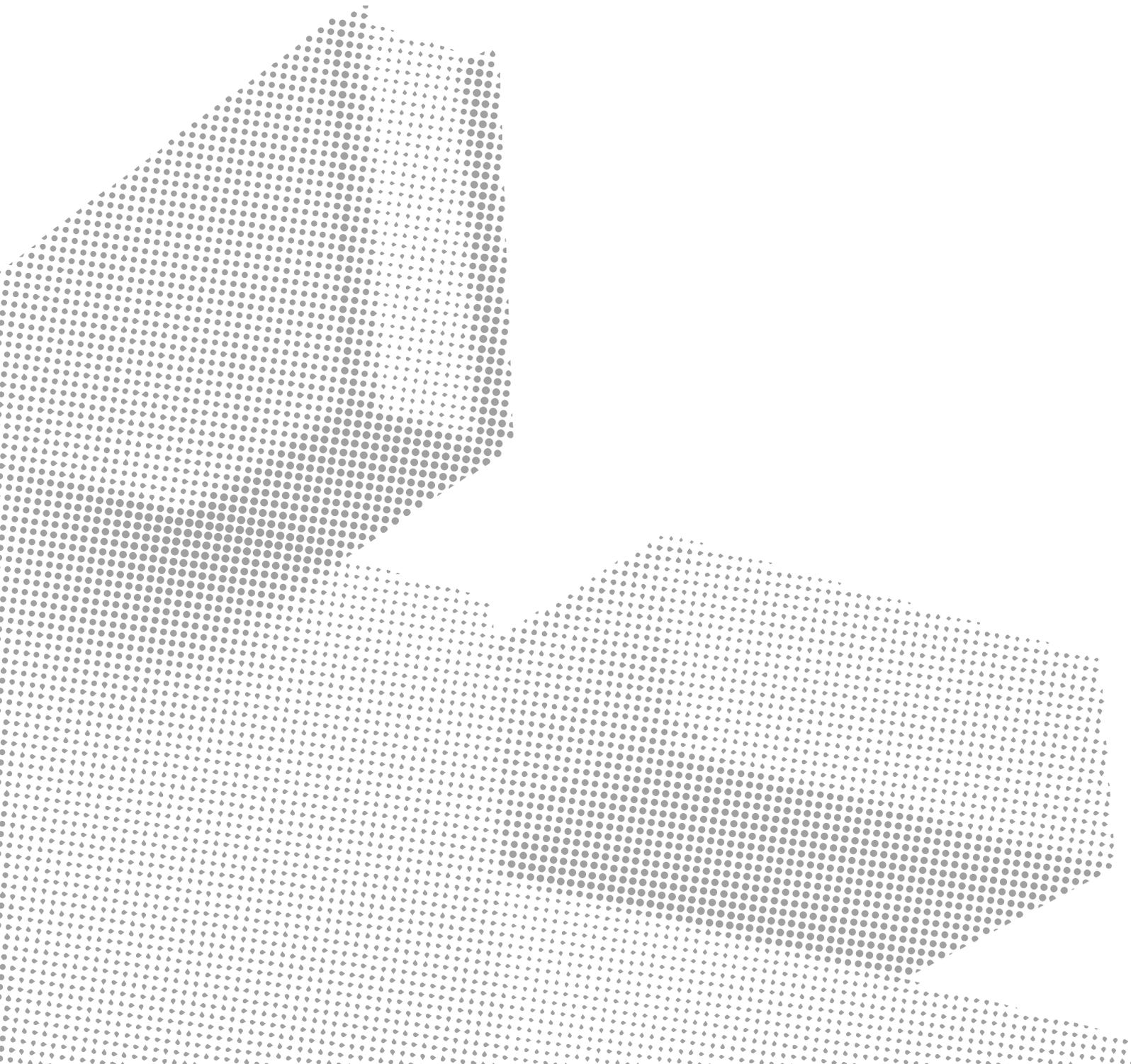




# MATERIAL SAFETY DATA SHEET

CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH

PIR-N/PIR-F



# WALL AND ROOF SANDWICH PANELS SAFETY DATA SHEET

## 1. IDENTIFICATION OF PRODUCTS AND COMPANY

### PRODUCTS:

**IZOWALL** PIR-N, **IZOWALL** PIR-F

**IZOGOLD** PIR-N, **IZOGOLD** PIR-F

**IZOCOLD** PIR-N, **IZOCOLD** PIR-F

**IZOROOF** PIR-N, **IZOROOF** PIR-F

### LOCATION OF MANUFACTURE:

Izopanel Sp. z o.o.  
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e-mail: info@izopanel.pl  
website: www.izopanel.pl

## 2. HAZARDS IDENTIFICATION

**Classification:** Not classified as a hazardous chemical

**Label elements:** Not applicable

**Other hazards:** No other hazards.

## 3. COMPOSITION

**Core:** Rigid polyisocyanurate foam

**Facings:** Coated steel sheet

**Alternative Facings:** Stainless steel

## 4. FIRST-AID MEASURES

Inhalation:	Dust is non-hazardous. Remove the person to fresh air.
Skin:	Non-sensitising.
Eyes:	Small dust particles should be removed by flushing with warm clean water.
Ingestion:	No information available.
Other:	Consult a doctor if the discomfort persists.
Core:	Rigid polyisocyanurate foam.
Facings:	Coated steel sheet.
Alternative Facings:	Stainless steel.

## 5. FIRE-FIGHTING MEASURES

Product is resistant to fire and radiated heat. Panels have fire resistance (up to EI30 and REI30 according to EN1364-1, EN1364-2)

**Suitable media:** Water spray, foam, CO<sub>2</sub> or dry chemical.

**Un-suitable media:** No information available

It is advisable to take precautions against ignition, fire spread and smoke hazard. Fire fighters should use self-contained breathing apparatus and saturate burning foam with water from a spray nozzle.

## 6. ACCIDENTAL RELEASE MEASURES

Not applicable.

## 7. HANDLING AND STORAGE

Store in original packing in a location free from any ignition hazard such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.

It is essential to provide an appropriate number of supports and place them on a flat surface to prevent bending or local damage if the weight of the panels is not distributed evenly on all supports. In case of storing panels for a longer period, packets should be placed on supports with a proper slope, so that rain water is drained naturally if keeping product protected from the elements is difficult. Remember also that there is a risk of vulcanization of foil and metal, as mentioned above. Additionally, panels should be separated with spacers to ensure free airflow.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eyes and face:** Protective goggles are recommended during mechanical cutting.

UV protective sunglasses are recommended when installing a product with reflective facings in sunny weather.

**Skin:** Non-sensitising.

It is recommended to wear gloves when handling the products. Skin protection from UV is recommended when installing a product with reflective facings in sunny weather.

**Hands:** It is recommended to use protective gloves when installing the products.

**Inhalation:** Dust is non-hazardous.

It is recommended to wear a disposable dust mask during all cutting procedures. Wherever dust is generated as a result of mechanical cutting in a closed room, extracts are recommended

**Other:** The smooth facing used on roof products can be slippery underfoot when wet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Panels made of yellow foam and coated steel sheets.
Odour:	Odourless.
pH:	Neutral under normal conditions.
Melting point:	Not applicable.
Flash point:	Not applicable.
Insulation density:	40kg/m <sup>3</sup> +/- 3kg/m <sup>3</sup>
Solubility in water:	Insoluble.
Evaporation rate:	Not applicable.
Flammability:	Euroclass B-s2, d0 and B-s1, d0
Upper/lower flammability or explosive limits:	Not applicable
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Partition coefficient:	Not applicable.
n-octanol/water:	Not applicable.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not applicable.
Viscosity:	Not applicable.
Explosive properties:	Not applicable.
Oxidising properties:	Not applicable.
Other data:	None.

## 10. STABILITY AND REACTIVITY

Stable and un-reactive during normal use.

## 11. TOXICOLOGICAL INFORMATION

No information available.

## 12. ECOLOGICAL INFORMATION

Products are inert and stable in water and soil.

## 13. DISPOSAL CONSIDERATIONS

Waste insulation is non-hazardous.

Product dust created in the installation process is nuisance dust only, because of its inert nature.

Observe usual safety precautions with polythene wrapping and packaging. Clean, undamaged product may be re-used.

## 14. TRANSPORT INFORMATION

Transport and arrangement of panels on a transport mean are subject to Izopanel planning processes. In case of any individual expectations in this respect, customers should provide appropriate information during order submission. In most cases, Izopanel delivers panels to a site specified by the customer using special open-top vehicles which guarantee transport safety. If the transport is to be arranged by the Customer, a few basic principles should be taken into account:

- panels are loaded at the production plant with use of forklift trucks,
- only technically fit vehicles may be used for the transport of products,
- loading platform must be flat and clean, with no sharp protruding parts,
- open semitrailers, without canvas cover, with minimum width of 250 cm are recommended,
- a packet of panels is allowed to extend beyond the rear edge of the vehicle up to 1.5 m,
- the vehicle must be equipped with ratchet straps, at least 2 pieces per two packages - if loaded in two rows or 2 pieces per packet, if loaded in a single row. Packets should be secured with ratchet straps placed at least every 3 metres.

Delivered products may be unloaded with use of a forklift truck or a crane. In both cases packets of panels have to be properly secured against damage. Place soft pads with proper width (approx. 15-20 cm) on the fork of the forklift truck or install crane slingsecurely. While unloading, follow general safety precautions for hoisting equipment operation.

UN Number: Not regulated as a dangerous good for transport.

UN proper shipping name: Not regulated as a dangerous good for transport.

Transport hazard class(es): Not applicable.

Packing group: Not applicable.

## 15. REGULATORY INFORMATION

Not applicable.

## 16. OTHER INFORMATION

For more information, please contact Izopanel Sp. z o.o. Technical Department or visit [www.izopanel.eu](http://www.izopanel.eu)

The information contained in this document is based on the knowledge and experience of the sandwich panel manufacturer and shouldn't be treated as a guarantee of specific properties. Users should consider each situation individually, complying with health and safety regulations and properly train all applicable personnel. During all work related to the product, it is recommended to wear appropriate protective clothing and use safety equipment. Panels should be used in accordance with their intended use and with the guidelines provided by the manufacturer. Sandwich panels with rigid polyisocyanurate core are exempt from the requirements of Article 57 and 59 of REACH Regulation number 1907/2006.

The information above has been prepared in accordance with SDS format described in Annex 2 of the Regulation.