

**MATERIAL SAFETY DATA SHEET**  
**Polyisocyanurate PIR core wall sandwich panels**



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**PART 1: PRODUCT AND COMPANY IDENTIFICATION**

**IDENTIFICATION:** Polyisocyanurate PIR wall sandwich panels PIRTECH PWS – PIR – CH 180 mm

**COMPANY:** PRUSZYŃSKI Sp. z o. o.  
Aleje Jerozolimskie 214  
02 – 486 Warszawa

**FACTORY:** PRUSZYŃSKI Sp. z o. o.  
ul. Sokołowska 32B  
Sokołów, 05 – 806 Komorów  
  
tel. +48 22 738 60 00  
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**PART 2: COMPOSITION/INFORMATION ON INGREDIENTS**

**MATERIAL:** steel: S220GD – S280GD+Z275

**CORE:** Polyisocyanurate PIR foam: density 40 (+/-3) kg/m<sup>3</sup>

**PART 3: HAZARDS IDENTIFICATION**

**POTENTIAL HEALTH EFFECTS:** There are no Risk Phrases associated with this product

**SPECYFIC HAZARDS:** Not applicable

**PART 4: FIRST AID MEASURES**

**EYES:** Not applicable

**SKIN:** Not applicable

**INGESTION:** Not applicable

**INHALATION:** Not applicable

**PART 5: FIRE-FIGHTING MEASURES**

**FLAMMABLE LIMITS IN AIR, UPPER:** In the event of fire, it will evolve potentially toxic dust or fumes containing carbon monoxide from the coating; in case of fire crew put on a satisfactory and approved breathing equipment.

**PART 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:** Not applicable

**PART 7: HANDLING AND STORAGE**

It is allowed to storage maximum 2 packages of panels with length up to 6m one on another, in case of packages with length higher than 6m these packages should be storage separately.

All packages should be storage on flat surface with possibility to discharging water.

During storage of panels on building site, packages should be protected against mechanical damages, UV rays, aggressive conditions(acids, fertilisers, salts and other corrosion factors), precipitations, strong wind etc.

It's recommended to storage packages under roof in ventilated facilities. Period of storage should not be bigger than 3 months.

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## Polyisocyanurate PIR core wall sandwich panels



Storage of panels should be on flat surface(square, hall) on ground beam, styrofoam or wood sleepers, which should be put on maximum span 2,5m(for panels of length to 2,5m there should be min. 3 sleepers.)

Protective foils are used for additional protection of surface of panels. Protective foils don't discharge customer from responsibility of proper protection during storage.

It's recommended to remove protective foil before assembly of panels on building. Removing of foil should be carried on during temperature min. +10 C degree,

because in lower temperatures there is possibility to leave visible marks of glue on panels.

Protective foil should be removed during 1 month of production date, even when panels are not assembled yet.

Improper storage may cause difficulties when removing the protective foil and leave glue marks, in this case complaints won't be accepted by Producer.

### **PART 8: PHYSICAL AND CHEMICAL PROPERTIES**

<b>ODOR:</b>	None
<b>PHYSICAL STATE:</b>	Solid
<b>EFFECTIVE WIDTH:</b>	1150 mm
<b>TOTAL WIDTH:</b>	1169 mm
<b>LENGTH:</b>	2000 – 16000 mm
<b>CORE THICKNESS:</b>	180 mm,
<b>COATING:</b>	SP - polyester- 25 µm, matt polyester – 35 µm, HPS 200, PUR
<b>REACTION to Fire:</b>	B-s1, d0;
<b>FIRE RESITANCE</b>	EI30 (0↔i)

### **PART 9: STABILITY AND REACTIVITY**

**STABILITY:** None

**CONDITIONS TO AVOID (STABILITY):** Aceton (propanon), Solvents especially: Benzen and Toluen, alcohols

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** None in normal condition of use. Decomposition of binder above 190°C may produce carbon dioxide and some trace gases. The duration of release is dependant upon the thickness of the insulation, binder content and the temperature applied.

### **PART 10: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:** PIR core of sandwich panel chemically inert, toxicological impact on environment not stated. Product acceptable according to hygienic criteria - HYGIENIC CERTIFICATE checked by MEDICAL UNIVERSITY of GDANSK

### **PART 11: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** This product is not toxic to air, water or soil, by composition

### **PART 12: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Steel scrap - recycling

**RCRA HAZARD CLASS:** Not toxic and hazardous waste