

Product Safety Information

BEWI Sandwich panels

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REACH regulations do not require a REACH Safety Data Sheet for BEWI sandwich panels products. This Product Safety Information was prepared in accordance with EC-REGULATIONS 1907/2006 (REACH), Annex II for informational purposes only.

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1

Product identifier	BEWI sandwich panels
Product name	Self-supporting double skin metal faced insulating panels with polyisocyanurate (PIR) or mineral wool (MW) core
Synonyms	PIR sandwich panels, MW sandwich panels

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	External walls and wall cladding; Roofs and roof cladding; Walls (including partitions) and ceilings within the building envelope
Uses advised against	None

1.3 Details of the supplier of the Product Safety Information

Company name	UAB "BEWI Lithuania"
Company address	S. Lozoraičio g. 15A, Garliava, 53229, Lithuania
Telephone	+370 37 551423
E-mail	info@bewi.lt
Website	www.bewi.lt

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	No classification applicable
2.2 Label elements	No specific labelling requirements

2.3 Other hazards

Changes in shape and size using abrasive equipment (cutting, sanding, milling) may generate dust. Excessive amounts of dust may irritate the skin, eyes, and respiratory system.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Core	Rigid thermoset urethane – polyisocyanurate (PIR) – as defined by European Standard EN 13165 Mineral wool (MW) - as defined defined by European Standard EN 13162
Facings	Steel S280GD

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	PIR – If dust is inhaled, remove the person to fresh air. MW – rinse the throat and clear the dust from the airways.
Eye Contact	Dust should be flushed with water.
Skin Contact	After handling wash using soap/proprietary cleanser.
Ingestion	If dust is ingested, drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Dust is non-hazardous. May temporarily irritate.
Eye Contact	May temporarily irritate. Dust should be flushed with water.
Skin Contact	Non-sensitizing. Temporary irritation.
Ingestion	No information available.

4.3 Indication of immediate medical attention and special treatment needed

Unlikely to be required but, if necessary, should be treated symptomatically. If there is a need, seek professional medical advice.

Section 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media	Water spray, foam, dry powder, or CO ₂
Unsuitable Extinguishing Media	Not applicable

5.2 Special hazards arising from the product

Even though PIR does not sustain fire and is hard to ignite, taking precautions against ignition, fire spread, and combustible products vicinity is necessary. PIR can combust under severe fire conditions, forming various carbon oxides. Product should not be burnt in the open air; fumes could be hazardous. Steel coating can burn forming various carbon oxides; fumes could be hazardous. MW and steel are inflammable.

5.3 Advice for firefighters

Firefighters should wear complete protective clothing including self-contained breathing apparatus. Burning foam should be saturated with water. Dust is classified as a weak explosive (St. Class 1).

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

The creation of dust should be avoided. In the case of high dust levels, the use of respiratory system protection is highly recommended.

6.2 Environmental precautions

The product or its parts should be disposed of appropriately. Possible dust and scraps created during the application of the product should be collected and disposed of according to the local law.

6.3 Methods and material for containment and cleaning up

The product should be applied in a manner to create the least possible amount of leftover material. The amount of dust created should be minimal. If the amount of dust is high, it should be vacuumed or dampened with water and swept. Collected dust should be disposed of according to the local laws and regulations.

6.4 Reference to other sections

See also sections 8 and 13.

Section 7. HANDLING AND STORAGE

7.1

Precautions for safe handling	Products should be stored on the ground, on a flat, clean surface and under cover, in well-ventilated facilities.
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Products should be protected against mechanical impact, UV, corrosive factors, precipitation, etc.
The transportation packaging is not considered adequate protection for outdoor storage.

Process Hazards

Suitable Personal Protective Equipment (PPE) should be used during handling and cutting.

7.2

Conditions for safe storage, including any incompatibilities

Products should be stored away from ignition hazards, direct radiant heat, corrosive environments, and UV.
Products should be stored inside or covered from the direct environmental impact.

Storage Temperature

Ambient

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits for PIR itself are non-existent.
Biological limit values are not determined.
Long-term exposure limit (8-hour TWA): WEL 2 fibres/ml 5 mg/m³ Machine-made mineral fibre (except for refractory ceramic fibres and special purpose fibres)
WEL = Workplace Exposure Limit

8.2 Exposure controls

Inhalation

Dust is non-hazardous.
It is recommended to use appropriate PPE during cutting, milling, sanding, etc.
In confined spaces, it is recommended to use the extraction system.

Eye Contact

Eye protection is recommended during mechanical shape changes.
In bright sunlight, it is recommended to wear UV protective glasses during the installation.

Skin Contact

Non-sensitizing.
General-purpose gloves should be worn to reduce the risk of cut hazards from the edges of the panel.
Exposed skin should be covered.
In bright sunlight, it is recommended to

wear UV protection for the skin during the installation.

Other

Products are non-load bearing.
The facings on BEWI sandwich panels can be slippery underfoot when wet.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Yellow foam or green/brown fibre core with painted and coated steel facings
Odor	Negligible
pH	Neutral
Melting point	Not applicable
Flash point	Not applicable
Solubility	Insoluble

9.2 Other information

Width of the panel: 1000; 1100; 1150; 1200 mm.

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity

Unreactive under normal use

10.2 Chemical stability

Stable under normal use

10.3 Possibility of hazardous reactions

Unreactive under normal use

10.4 Conditions to avoid

Temperatures higher than 140°C for MW panels and 180°C for PIR panels

10.5 Incompatible materials

Corrosive materials

10.6 Hazardous decomposition product(s)

When heated for the first time, the release of binder decomposition products can occur which, in high concentrations, may irritate the eyes and the respiratory system

Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

The mechanical effect of fibres and dust in contact with skin may cause temporary itching.

11.2 Information on other hazards

None

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Products are inert and stable in water and soil

12.2 Persistence and degradability

PIR, MW and steel are not biodegradable

PIR, MW and steel are persistent in the environment

12.3 Bio-accumulative potential

PIR is an inert polymer; thus, no bioaccumulation is expected

MW and steel are inert materials; thus, no bioaccumulation is expected

12.4 Mobility in soil

No anticipated mobility

12.5 Results of PBT and vPvB assessment

Testing is not applicable to final products

12.6 Other adverse effects

Foaming agents used in BEWI PIR products have very low Global Warming Potential and zero Ozone Depletion Potential

Section 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

PIR, MW insulation, steel is non-hazardous. Product dust is regarded as inert dust only. Good practice is to minimize the amount of dust generated during installation. Residue material should be disposed of responsibly in line with the precautions set out in Sections 7 and 8.

Clean and undamaged products may be reused.

Waste products, including packaging, should be disposed of in accordance with local laws and regulations of waste handling.

13.2 Additional Information

None

Section 14. TRANSPORT INFORMATION

Read section 7 in conjunction with this section.

Ensure secure loading and transport. Any means of securing the load are acceptable if they do not damage the product.

Mechanical lifting equipment should be used when moving bulk quantities.

Straps should be placed a maximum of every 2 meters, no less than 2 per package.

Individual panels should be carried vertically.

Section 15. REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific to the product

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

The European Regulation on Chemicals No 1907/2006, Registration, Evaluation, Authorisation of Chemicals (REACH) enacted on June 1st, 2007, requires the Safety Data Sheet (SDS) for hazardous substances.

BEWI sandwich panels are defined as articles under REACH and therefore a Safety Data Sheet for these products is not a legal requirement.

15.2 Chemical Safety Assessment

No assessment required

Section 16. OTHER INFORMATION

The information contained here is provided in good faith and is based on our current knowledge of the product. We maintain the right to update or revise this document as necessary. The information provided in this document should not be considered as a guarantee of specific performance. The users should conduct their own assessment and make applicable staff aware accordingly.

The information is applicable only to the specific materials mentioned in Section 1. These materials must be used in the applications it has been designed for. This information may not be valid if the products are used in combination with any other materials or in any other processes unless specified by the manufacturer representatives in the text.

The information provided represents the state of our knowledge regarding materials mentioned in Section 1 at the date of this document publication. The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

For further assistance please contact the manufacturer, UAB "BEWI Lithuania".