

ISOVER

PLE MAX ALU



STONE WOOL BOARDS

Performanțe

HIGH QUALITY

-  High thermal insulation performance (low thermal conductivity);
-  Fire safety (noncombustible material);
-  Excellent acoustic properties (high absorption coefficient);
-  Long life span and time-stable properties;
-  Aluminum foil prevents water vapour flow and humidity;
-  Resistant to mold, mildew, rodents and insects;

ECONOMIC VALUE

-  Contributes to the reduction of energy consumption;
-  Chemically neutral, non-corrosive, easy to handle, non-toxic;

Designation code CE: MW – EN 13162 – T3

TECHNICAL SPECIFICATION

Boards made from ISOVER stone wool and faced with aluminum foil. The boards are obtained by melting the mineral raw materials in a furnace, fiberizing the melt by REX process, spraying a binder and adding mineral oils for protection against dust and water repellence. The mineral fibers mat is faced with aluminum foil and processed into boards, which are packaged on the production line.

APPLICATION

Use (according to standard EN 13162:2012 + A1:2015): Thermal insulation for buildings (ThiB).

ISOVER PLE MAX ALU boards are used for thermal, acoustic and fire insulation in civil and industrial buildings:

- pitched roofs and attics;
- wooden houses walls;

PACKAGING

ISOVER PLE MAX ALU boards are packed in packages wrapped in PE foil, and the packages are packed in pallets.





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TECHNICAL PARAMETERS	U.M.	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity - λ_d	W/(m·K)	0.037
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A2, s1-d0
Melting temperature (according DIN 4102-17)	°C	≥ 1000
Maximum temperature for use (aluminum side)	°C	50
OTHER PROPERTIES		
Specific heat capacity c_p (according EN ISO 10456)	J/(kg·K)	1030
Thickness tolerances	Class	T3
Chemical behavior	Chemically neutral. Does not retain moisture.	



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DIMENSIONS AND PACKAGING

PRODUCT	Thickness (mm)	Length x Width (mm)	Area (m ² /package)	Number of packs/pallet	Area (m ² /pallet)	Declared thermal resistance R _D (m ² •K/W)
PLE MAX ALU	100	1000 x 600	3.6	8	28.8	2.70
PLE MAX ALU	120	1000 x 600	3.0	8	24.0	3.20
PLE MAX ALU	140	1000 x 600	2.4	8	19.2	3.75
PLE MAX ALU	150	1000 x 600	2.4	8	19.2	4.05

RECOMMENDATION

During installation: mineral wool boards must be dry, clean, without traces of dust or other impurities.

CERTIFICATES, STANDARDS, APPROVALS

- Certificate of constancy of performance:
1840-CPR-99/91/EC/0868-24
- Certificate of Management System:
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

TRANSPORT AND STORAGE

The boards must be transported, stored and installed avoiding contact with water, or other damage. Packages or boards will not be stored in direct contact with the ground.

INSTALLATION

During installation, ensure that the insulation is continuous, without gaps or free spaces, without leaks at the joints between the boards or in the end or perimeter areas. When installed inside an attic or along the inside part of the closing (exterior) walls, the aluminum foil should be oriented towards the interior that needs insulation. This way the aluminum foil will act as a vapor protection barrier. It is necessary that the space between two boards gets air-tight by using the adhesive tape with aluminum layer.

SAFETY INSTRUCTIONS

Before start using the product, consult the technical safety data sheet and the information printed on the packaging. As personal protection, the use of protective gloves is recommended.

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This document contains only general recommendations and does not address special circumstances.

Prior to installation, please ensure that you have thoroughly read and understood the specifications of your project, that you have tested the product for your specific purpose, and that the selected product will enable the required outcome.

The information presented in this document does not constitute a guarantee as to certain properties of the product or compatibility for a specific use, hence Saint-Gobain Group cannot be held responsible for the quality of the installation works.