



THERMAL INSULATION



ACCOUSTIC INSULATION



FIRE PROTECTION

PLN NT

STONE WOOL BOARDS

Designation code CE: MW - EN 13162 - T3

TECHNICAL SPECIFICATION

Insulating slabs made of Isover mineral wool. The production method is based on fibering mineral composition melt and other additives and ingredients. The mineral fibers produced are processed into the final slab shape in the production line.. The slabs in the construction should be protected suitably against the weather effects (outer sheathing, alternatively diffusion foil).The slabs are coated with black non-woven fiberglass fabric.

BENEFITS

- high thermal insulation performance (low thermal conductivity)
- fire safety - noncombustible material
- excellent acoustic properties (high absorption coefficient)
- easy to handle, non-toxic
- low vapour flow resistance
- long term resistance in vertical position
- environment friendly and hygienic
- completely hydrophobic - is made water repellent
- long life span and time-stable properties
- resistant to mould, mildew, rodents and insects
- chemically neutral, non-corrosive
- easy workability - can be cut, drilled etc.

APPLICATION

ISOVER PLN NT boards are used for thermal, acoustic and fire insulation in civil and industrial buildings:

- ventilated facades
- curtain walls
- ceilings (cellars and underground garages)
- partition walls with specified fire resistance performances
- metallic buildings walls
- wooden houses walls



PACKAGING, TRANSPORT, WAREHOUSING

ISOVER PLN NT boards are packaged in PE foil. The boards must be transported and stored avoiding contact with water, or other damage.

CERTIFICATES, STANDARDS, APPROVALS

- EC Certificate: 1840-DPC-99/91/EC/0114-07
- ISO 9001, ISO 14001, ISO 45001



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TECHNICAL PARAMETERS

PARAMETER	U.M.	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity - λ_D	W/(m•K)	0.034
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
OTHER PROPERTIES		
Chemical behavior	It does not react chemically. Do not keep moisture. Allows vapor diffusion	

DIMENSIONS AND PACKAGING

Product	Thickness s (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)
PLN NT	30	1000 x 600	8.40	10	84.00	0.85
PLN NT	40	1000 x 600	6.00	12	72.00	1.15
PLN NT	50	1000 x 600	4.80	12	57.60	1.45
PLN NT	60	1000 x 600	3.00	16	48.00	1.75
PLN NT	80	1000 x 600	3.00	12	36.00	2.35
PLN NT	100	1000 x 600	2.40	12	28.80	2.90
PLN NT	120	1000 x 600	1.20	20	24.00	3.50
PLN NT	140	1000 x 600	1.20	16	19.20	4.10
PLN NT	150	1000 x 600	1.20	16	19.20	4.40
PLN NT	160	1000 x 600	1.20	14	16.80	4.70
PLN NT	180	1000 x 600	1.20	12	14.40	5.25
PLN NT	200	1000 x 600	1.20	12	14.40	5.85
PLN NT	220	1000 x 600	0.60	22	13.20	6.45
PLN NT	240	1000 x 600	0.60	20	12.00	7.05
PLN NT	250	1000 x 600	0.60	20	12.00	7.35

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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.

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The manufacturer reserves the right to change them.

