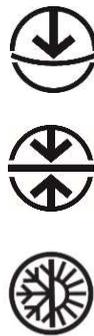




PROFI TERRASSE PHV STONE WOOL SLABS

Designation code CE : MW-EN13162-T5-DS(70,90)-CS(10)100-TR15-PL(5)1000-WS-WL(P)-MU1



TECHNICAL SPECIFICATION

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

APPLICATION

Profi Terrasse PHV slabs have been specially designed for the insulation of sustainable buildings.

Due to the increased resistance to mechanical stress - point load PL(5) 1000 N - it allows the installation of roof with photovoltaic panels and implicitly the reduction of the carbon footprint of the building.

Profi Terrasse PHV can be installed as a top or intermediate layer over layers with a compression of 30 kPa to 100 kPa for both straight and inclined surfaces, taking into account the requirements and recommendations of the designer.

It is installed with mechanical support (dowels or anchors) over metal sheet with trapezoidal profiles and waterproofed with membranes.



BENEFITS

- resistance to increased mechanical stress (high point load, high compressive stress level and point load);
- good thermal insulation performance;
- fire safety (non-combustible material, Class A1);
- excellent noise absorption;
- low vapor resistance - high water vapor permeability, hydrophobized;
- environmentally friendly;
- easy to handle, non-toxic, hydrophobized;
- long life span and time-stable properties;
- resistant to mold, mildew, rodents and insects;
- chemically neutral, non-corrosive;
- easy workability - can be cut, drilled into, glued, etc.;

PACKAGING, TRANSPORT, WAREHOUSING

PROFI TERRASSE PHV slabs are packaged in PE foil on pallets with a height up to 1.3 meters. The slabs must be transported, stored and installing by avoiding contact with water or other damage.

CERTIFICATES, STANDARDS, APPROVALS

- Certificate of constancy of performance EC: 1840-CPR-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 coefficient - λ_D	W/(m·K)	0.040
MECHANICAL PROPERTIES		
Compressive stress at 10% deformation 10% σ_{10} or CS (10\Y)	kPa	100
Perpendicular tensile strength σ_{mt} or TR	kPa	15.0
Point load at a given deformation F_D (at 5mm) , PL(5)	N	1000
FIRE SAFETY PROPERTIES		
Reaction to fire	Class	A1
OTHER PROPERTIES		
Relative change in thickness $\Delta\varepsilon_d$, DS(70,90)	%	max. 1
Short term water absorption W_p / Long term water absorption W_{lp}	kg/m ²	max. 1 / max. 3
Water vapor resistance factor (μ) MU	-	1
Thickness tolerance	clasă	T5

DIMENSIONS AND PACKAGING

Product	Thickne ss (mm)	Dimensions (mm x mm)	Quantity per pallet (m ² /palet)	Pallets/truck	Quantity (m ² /truck)	Declared thermal resistance R_D (m ² ·K/W)
PROFI TERASSE PHV	50	2000 x 1200	52.80	26	1372.80	1.25
PROFI TERASSE PHV	60	2000 x 1200	43.20	26	1123.20	1.50
PROFI TERASSE PHV	80	2000 x 1200	33.60	26	873.60	2.00
PROFI TERASSE PHV	100	2000 x 1200	26.40	26	686.40	2.50

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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.

