



PROFI TERRASSE S STONE WOOL SLABS

CE designation code: MW-EN 13162-T5-CS(10)70-TR15-PL(5)650-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 S slabs are suitable for installation on flat roofs. They can be frequently used as top layer into multiple layer systems. It is suitable to combine them with bottom or middle layers including Profi Terrasse S-i, Profi Terrasse T, Profi Terrasse T-i or Profi Terrasse R, taking into account the requirements and recommendations of the designer. The slabs in the construction should be protected suitably (vapor-proof foil, waterproofing membrane, flat roof bearing layer, etc). If the roof does not have adequate drainage, a gravity system made from slopes should be provided for safe transport and evacuation of rainwater.



CERTIFICATES, STANDARDS, APPROVALS

- Certificate of constancy of performance 1840-CPR-99/91/EC/0114-07
- ISO 9001, ISO 14001, ISO 45001

BENEFITS

- very good resistance to mechanical stress: compressive stress, perpendicular tensile strength, point load;
- good thermal insulation performance;
- fire safety (non-combustible material, Class A1);
- excellent noise absorption;
- low vapour resistance - high water vapour permeability;
- environmentally friendly and hygienic;
- water repellent;
- long life span;
- resistant to pests, rodents, and insect;
- chemically neutral, non-corrosive;
- easy workability - can be cut, drilled into, glued, etc

PACKAGING, TRANSPORT, WAREHOUSING

PROFI TERRASSE S 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.



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TECHNICAL PARAMETERS

PARAMETER	U.M.	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity coefficient - λ_D	W/(m·K)	0.039
MECHANICAL PROPERTIES		
Compressive stress at 10% deformation 10% σ_{10} or CS (10\Y)	kPa	70
Perpendicular tensile strength σ_{mt} or TR	kPa	15
Point load at a given deformation F_p , PL(5)	N	650
FIRE SAFETY PROPERTIES		
Reaction to fire	Class	A1
OTHER PROPERTIES		
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	Class	T5

DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm x mm)	Quantity per pallet (m ² /palet)	Declared thermal resistance R_D (m ² ·K/W)
PROFI TERRASSE S	50	2000 x 1200	52.80	1.25
PROFI TERRASSE S	60	2000 x 1200	43.20	1.50
PROFI TERRASSE S	80	2000 x 1200	33.60	2.05
PROFI TERRASSE S	100	2000 x 1200	26.40	2.55
PROFI TERRASSE S	120	2000 x 1200	21.60	3.05
PROFI TERRASSE S	140	2000 x 1200	19.20	3.55
PROFI TERRASSE S	150	2000 x 1200	16.80	3.80
PROFI TERRASSE S	160	2000 x 1200	16.80	4.10
PROFI TERRASSE S	180	2000 x 1200	14.40	4.60
PROFI TERRASSE S	200	2000 x 1200	12.00	5.10

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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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April 8th, 2022. Declared characteristics are valid at the date of publishing.
The manufacturer reserves the right to change them.

