



## PROFI TERRASSE T STONE WOOL SLABS

CE designation code: MW-EN 13162-T5-CS(10)50-TR10-PL(5)500-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 T slabs are suitable for installation on flat roofs. They can be frequently used as bottom or middle layer into multiple layer systems. It is necessary to combine them with covering top layer from Profi Terrasse S or Profi Terrasse S-i 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

- good resistance to mechanical stress: compressive stress, perpendicular tensile strength, point load;
- very 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 T 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
<b>THERMAL INSULATION PROPERTIES</b>		
Declared thermal conductivity coefficient - $\lambda_D$	W/(m·K)	0.038
<b>MECHANICAL PROPERTIES</b>		
Compressive stress at 10% deformation 10% $\sigma_{10}$ or CS (10\Y)	kPa	50
Perpendicular tensile strength $\sigma_{mt}$ or TR	kPa	10
Point load at a given deformation $F_p$ , PL(5)	N	500
<b>FIRE SAFETY PROPERTIES</b>		
Reaction to fire	Class	A1
<b>OTHER PROPERTIES</b>		
Short term water absorption $W_p$ / Long term water absorption $W_{lp}$	kg/m <sup>2</sup>	max. 1 / max. 3
Water vapor resistance factor ( $\mu$ ) MU	-	1
Thickness tolerance	Class	T5

### DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm x mm)	Quantity per pallet (m <sup>2</sup> /palet)	Declared thermal resistance $R_D$ (m <sup>2</sup> ·K/W)
PROFI TERRASSE T	50	2000 x 1200	52.80	1.30
PROFI TERRASSE T	60	2000 x 1200	43.20	1.55
PROFI TERRASSE T	80	2000 x 1200	33.60	2.10
PROFI TERRASSE T	100	2000 x 1200	26.40	2.60
PROFI TERRASSE T	120	2000 x 1200	21.60	3.15
PROFI TERRASSE T	140	2000 x 1200	19.20	3.65
PROFI TERRASSE T	150	2000 x 1200	16.80	3.90
PROFI TERRASSE T	160	2000 x 1200	16.80	4.20
PROFI TERRASSE T	180	2000 x 1200	14.40	4.70
PROFI TERRASSE T	200	2000 x 1200	12.00	5.25

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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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