



FASSADE ISOVER STONE WOOL SLABS



THERMAL INSULATION



ACOUSTIC INSULATION



EASY TO INSTALL

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.

BENEFITS

- very good thermal insulation performance ($\lambda_D = 0.035 \text{ W/(m}\cdot\text{K)}$)
- fire safety (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
- easy workability - can be cut, drilled into, glued, etc.

APPLICATION

FASSADE slabs are suitable for installation in external thermal insulation composite systems (ETICS). They are glued with adhesive mortar and mechanically anchored to the wall surface. The other layers of ETICS are applied on the slabs: base coat, reinforcement grid, plaster and paint. The adhesive mortar can be applied on the perimeter and in a few patches in the middle of the slab. The number of the anchors for mechanical anchoring is usually 6 pc/m² (the exact number and their position to be specified by the planner).



PACKAGING, TRANSPORT, WAREHOUSING

FASSADE slabs are packaged in PE foil and the packages are palletized. The slabs must be transported, stored and installed by avoiding contact with water, or other damage.

RELATED DOCUMENTS

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

FASSADE

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TECHNICAL PARAMETERS

PARAMETER	UNIT	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity coefficient λ_D	W/(m•K)	0.035
MECHANICAL PROPERTIES		
Compressive stress at 10% deformation $10\% \sigma_{10}$ or CS (10\Y)	kPa	20
Perpendicular tensile strength σ_{mt} or TR	kPa	10
Point load at a given deformation F_p , PL(5) (thickness between 50 ÷ 80 mm)	N	250
Point load at a given deformation F_p , PL(5) (thickness between 90 ÷ 250 mm)	N	200
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	Class	T5

DIMENSIONS AND PACKAGING

PRODUCT	Thickness (mm)	Dimensions (mm)	m ² /packages	Package / pallet	m ² /palet	Declared thermal resistance R_D (m ² •K/W)
FASSADE	50	1000 x 600	3.6	16	57.6	1.40
FASSADE	60	1000 x 600	3.0	16	48.0	1.70
FASSADE	80	1000 x 600	1.8	20	36.0	2.25
FASSADE	90	1000 x 600	1.8	18	32.4	2.55
FASSADE	100	1000 x 600	2.4	12	28.8	2.85
FASSADE	120	1000 x 600	1.2	20	24.0	3.40
FASSADE	140	1000 x 600	1.2	16	19.2	4.00
FASSADE	150	1000 x 600	1.2	16	19.2	4.25
FASSADE	160	1000 x 600	1.2	14	16.8	4.55
FASSADE	180	1000 x 600	1.2	12	14.4	5.10
FASSADE	200	1000 x 600	1.2	12	14.4	5.70
FASSADE	220	1000 x 600	0.6	22	13.2	6.25
FASSADE	240	1000 x 600	0.6	20	12.0	6.85
FASSADE	250	1000 x 600	0.6	20	12.0	7.10

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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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