PROFI FASSADE

STONE WOOL SLABS

Designation code :
MW – EN 13162 – T5 – DS(70,90)– CS(10)30–TR10 – WS – WL(P) – MU1-AW0,95-AFr50

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 fibres mat is processed into slabs which are packaged on the production line.

APPLICATION

PROFI 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 mechanically anchoring is usually 6 pc/m^2 (the exact number and their position to be specified by the planner).

PACKAGING, TRANSPORT, WAREHOUSING

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

BENEFITS

- very good thermal insulation performance (λ_D = 0.036 W/(m·K))
- fire safety (Euroclass 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.

RELATED DOCUMENTS

- Declaration of performance GSW008-002

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% **σ_{10}** or **CS (10\Y)**	kPa	30
Perpendicular tensile strength **σ_{mt}** or **TR**	kPa	10
Point load at a given deformationi Fp **, PL(5)**	N	350
FIRE SAFETY PROPERTIES		
Reaction to fire	Euroclass	A1
OTHER PROPERTIES		
Short term water absorbtion **W_p** / Long term water absorption **W_{lp}**	kg/m2	1 / 3
Water vapor resistance factor (**μ**) **MU**	-	1
Thickness tolerance	class	T5

DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm)	m^2/ package	m^2/ palet	Declared thermal resistance R_D (m^2,K/W)
PROFI FASSADE	30	1000 x 600	4.80	96.0	0.85
PROFI FASSADE	40	1000 x 600	4.20	75.6	1.10
PROFI FASSADE	50	1000 x 600	3.60	57.6	1.40
PROFI FASSADE	60	1000 x 600	3.00	48.0	1.70
PROFI FASSADE	80	1000 x 600	1.80	36.0	2.25
PROFI FASSADE	100	1000 x 600	1.80	28.8	2.85
PROFI FASSADE	120	1000 x 600	1.20	24.0	3.40
PROFI FASSADE	140	1000 x 600	1.20	21.6	4.00
PROFI FASSADE	160	1000 x 600	1.20	16.8	4.55
PROFI FASSADE	180	1000 x 600	1.20	16.8	5.10
PROFI FASSADE	200	1000 x 600	1.20	14.4	5.70
PROFI FASSADE	220	1000 x 600	0.60	13.2	6.25
PROFI FASSADE	240	1000 x 600	0.60	12.0	6.85
PROFI FASSADE	260	1000 x 600	0.60	10.8	7.40

The information is valid up to date of publishing. The manufacturer reserves right to change the data.

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