

Isover MULTIMAX 30

Mineral fibreglass insulation



Specification code: MW - EN 13162 - T5 - MU1 - WS - WL(P) - AF,5

TECHNICAL SPECIFICATION

Insulating slabs made of Isover fibreglass wool. The production method is based on the fibering of glass melt and other additives and ingredients. The mineral fibres produced are processed into the final slab shape on the production line. The entire fibre surface is hydrophobic. The slabs in the construction should be protected suitably against the weather effects (outer cassette sheathing, diffusion and vapour-proof foil).

APPLICATION

A glass mineral wool slabs, Isover MULTIMAX are suitable for insulation of the outer walls of ventilated facade systems and are to be inserted into the grid under the cladding, or mechanically bonded into the multi-layer masonry. The slabs can be mechanically bond using the clamps for soft MW insulations. Insulating slabs are not glued to the surface. When the material is used to insulate ceilings, it is also necessary to use metal dowel pins with respect to fire security that cannot be positioned at the edge of the slab.

Especially the energy saving insulation type, $\lambda_D = 0,030 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$.

PACKAGING, TRANSPORT, WAREHOUSING

A glass mineral wool slabs, Isover MULTIMAX, are packed into the PE foil with package height up to 0.5 m. The slabs have to be transported in covered vehicles under conditions preventing their wetting or other degradation. They should be stored flat in sheltered space to maximum layer height of 2 m.

BENEFITS

- fire-resistant
- very good thermal insulation performance
- excellent acoustic properties in terms of noise absorption
- low vapour resistance - good water vapour penetrability
- environmentally friendly and hygienic
- completely hydrophobic
- long life span
- resistant to wood-destroying pests, rodents, and insect
- easy workability - can be cut, drilled into, etc.
- dimensional stability during temperature change

DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Dimensions (mm)	Per package (m ²)	MPS (m ²)	Declared thermal resistance R _D (m ² ·K·W ⁻¹)
Isover MULTIMAX 30 3	30	1200 x 600	12.96	155.52	1.00
Isover MULTIMAX 30 5	50	1200 x 600	7.92	95.04	1.65
Isover MULTIMAX 30 8	80	1200 x 600	5.04	60.48	2.65
Isover MULTIMAX 30 10	100	1200 x 600	3.60	43.20	3.30
Isover MULTIMAX 30 12	120	1200 x 600	3.60	43.20	4.00
Isover MULTIMAX 30 14	140	1200 x 600	2.88	34.56	4.65

Thickness tolerance classification T5 complies with allowed tolerance according to EN 13162: -1% or - 1 mm and + 3 mm, while the higher numerical value prevails.

TECHNICAL PARAMETERS

Parameter	Unit	Value	Norm
THERMAL INSULATING PROPERTIES			
Condition set for declared values I(10°C) and (u _{dry})	-	-	EN ISO 10456
Declared thermal conductivity coefficient λ_D	W·m ⁻¹ ·K ⁻¹	0.030	EN 12667
Specific heat capacity c _d	J·kg ⁻¹ ·K ⁻¹	840	ČSN 73 0540-3
MECHANICAL PROPERTIES			
Specific load value	kN·m ⁻³	0.40	EN 1991-1-1, EN 1990
FIRE SAFETY PROPERTIES			
Reaction to fire class	-	A1	EN 13501-1
Maximum temperature for use	°C	200	-
Melting temperature t _t	°C	< 1000	DIN 4102 part 17
OTHER PROPERTIES			
Specific resistance against air flow AF _r	kPa·s·m ⁻²	≥ 5.0	EN 29053
Water vapour penetrability	Vapour resistance coefficient (μ) MU	-	EN 12086

RELATED DOCUMENTS

- EC compliance certificate 1486-CPD-0254

1. 5. 2012 The information is valid up to date of publishing. The manufacturer reserves right to change the data.