SVT code: 7784
Product identification code: 84-WS1-DoP-14-w3, 84-WS2-DoP-14-w2
Specification code: MW-EN 13 162-T3-MU1-AFr5

Isover Multiplat 35

Mineral fibreglass insulation

CE

TECHNICAL SPECIFICATION

Insulation slabs made of Isover fibreglass wool. The production is based on defibration of melt of glass and other additives and ingredients. Produced mineral fibres are then shaped into slabs on the production line. Fibres are made water-repellent on their entire surface. Slabs in construction have to be protected suitably (steam protection foil, protection from dust settling, other layers of construction).

APPLICATION

Isover Multiplat 35 slabs are suitable for unloaded insulations of the outer walls (ventilated facades under the cladding with insulant inserted into cassettes or frames), insulation of partition walls, pitch roofs, ceilings, false ceilings and other light sandwich constructions.

PACKAGING, TRANSPORT, WAREHOUSING

Isover Multiplat 35 insulation slabs are packed into the PE foil. They come in MPS packs. Packages have to be transported in covered vehicles under conditions preventing their wetting or other degradation. The products are stored indoors or outdoors depending on the conditions specified in the current Isover price list.

BENEFITS

- Fire resistance.
- 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 insects.
- Easy workability – can be cut, drilled into, etc.
- Dimensional stability during temperature change.

DIMENSIONS AND PACKAGING

Thickness [mm]	Length × width [mm]	Volume per package			Quantity per pallet [m²]	Declared thermal resistance R_D [m²·K·W⁻¹]
		[pcs]	[m²]	[m³]		
40	1 200 × 625	20	15.00	0.60	300.00	1.10
60	1 200 × 625	16	12.00	0.72	240.00	1.70
80	1 200 × 625	12	9.00	0.72	180.00	2.25
100	1 200 × 625	10	7.50	0.75	150.00	2.85
120*	1 200 × 600	8	5.76	0.69	115.20	3.40
140*	1 200 × 600	6	4.32	0.60	86.40	4.00
160*	1 200 × 600	6	4.32	0.69	86.40	4.55

* It is necessary to consult with the producer for the terms of delivery.

TECHNICAL PARAMETERS

Parameter	Unit	Methodology	Value	Designation code	
Geometric shape					
Length *l*	[%, mm]	EN 822	±2 %		
Width *b*	[%, mm]	EN 822	±1,5 %		
Thickness *d*	[%, mm]	EN 823	-3 % or -3 mm[1] and +10 mm or +10 mm[2]	Class of thickness tolerances	T3
Deviation from squareness of the edge on length and width S_b	[mm·m⁻¹]	EN 824	5		
Deviation from flatness S_{max}	[mm]	EN 825	6		
Relative change in length $\Delta\varepsilon_l$, in width $\Delta\varepsilon_b$, in thickness $\Delta\varepsilon_d$	[%]	EN 1604	1	Dimensional stability under the specified temperature and humidity conditions	DS(23,90)

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Mineral fibreglass insulation

TECHNICAL PARAMETERS

Parameter	Unit	Methodology	Value	Designation code	
Thermal technical properties					
Declared value of thermal conductivity coefficient λ_D[3]	[W·m^{-1}·K^{-1}]	Declaration according to EN 13162+A1 Measurement according to EN 12667	0.035		
Design thermal conductivity λ_u[4]	[W·m^{-1}·K^{-1}]	ČSN 73 0540-3	0.038		
Specific heat capacity c_d	[J·kg^{-1}·K^{-1}]	ČSN 73 0540-3	840		
Fire safety properties					
Reaction to fire class	[-]	Declaration according to EN 13501-1+A1	A1		
Maximum temperature for use	[°C]		200		
Melting temperature t_t	[°C]	DIN 4102 part 17	< 1000		
Hydrothermal properties					
Water vapour diffusion resistance factor μ	[-]	Declaration according to EN 13162+A1	1	Declared value for water vapour diffusion resistance factor	MU1
Other properties					
Density	[kg·m^{-3}]	EN 1602	17		
Acoustic properties[5]					
Specific air flow resistivity r	[kPa·s·m^{-2}]	Declaration according to EN 13162+A1	Level of air fl ow resistivity		AFr
		Measurement according to EN ISO 9053-1	≥ 5		

[1] Value with greatest numerical tolerance.
[2] Value with lowest numerical tolerance.
[3] Declared values were set under the following conditions: (reference temperature 10 °C, humidity u_{dry} reached by drying) according to EN ISO 10456.
[4] Valid for typical use in construction with risk of condensation. In the case of construction without any risk of condensation, it is possible to use the declared value of thermal conductivity.
[5] Informative non-declared value beyond the scope of CPR, obtained by specific tests.

RELATED DOCUMENTS

- Declaration of Performance
- ISO 9001, ISO 14001, ISO 45001

More about the product

www.isover.cz/en/products/isover-multiplat-35

1/4/2024 The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.

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