



# Isover Multiplat 35

## Mineral fibreglass insulation

### 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 [m <sup>2</sup> ]	Declared thermal resistance R <sub>D</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]
		[pcs]	[m <sup>2</sup> ]	[m <sup>3</sup> ]		
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
<b>Geometric shape</b>				
Length <i>l</i>	[% , mm]	EN 822	±2 %	
Width <i>b</i>	[% , mm]	EN 822	±1,5 %	
Thickness <i>d</i>	[% , mm]	EN 823	-3 % or -3 mm <sup>1)</sup> and +10 mm or +10 mm <sup>2)</sup>	Class of thickness tolerances T3
Deviation from squareness of the edge on length and width <i>S<sub>e</sub></i>	[mm·m <sup>-1</sup> ]	EN 824	5	
Deviation from flatness <i>S<sub>max</sub></i>	[mm]	EN 825	6	
Relative change in length $\Delta\epsilon_l$ , in width $\Delta\epsilon_b$ , in thickness $\Delta\epsilon_d$	[%]	EN 1604	1	Dimensional stability under the specified temperature and humidity conditions DS(23,90)

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<b>Thermal technical properties</b>				
Declared value of thermal conductivity coefficient $\lambda_D$ <sup>3)</sup>	[W·m <sup>-1</sup> ·K <sup>-1</sup> ]	Declaration according to EN 13162+A1 Measurement according to EN 12667	0.035	
Design thermal conductivity $\lambda_D$ <sup>4)</sup>	[W·m <sup>-1</sup> ·K <sup>-1</sup> ]	ČSN 73 0540-3	0.038	
Specific heat capacity $c_d$	[J·kg <sup>-1</sup> ·K <sup>-1</sup> ]	ČSN 73 0540-3	840	
<b>Fire safety properties</b>				
Reaction to fire class	[-]	Declaration according to EN 13501-1+A1	A1	
Maximum temperature for use	[°C]		200	
Melting temperature $t_f$	[°C]	DIN 4102 part 17	< 1000	
<b>Hydrothermal properties</b>				
Water vapour diffusion resistance factor $\mu$	[-]	Declaration according to EN 13162+A1	1	Declared value for water vapour diffusion resistance factor MU1
<b>Other properties</b>				
Density <sup>5)</sup>	[kg·m <sup>-3</sup> ]	EN 1602	17	
<b>Acoustic properties<sup>6)</sup></b>				
Specific air flow resistivity $r$	[kPa·s·m <sup>-2</sup> ]	Declaration according to EN 13162+A1 Measurement according to EN ISO 9053-1	Level of air flow resistivity ≥ 5	AFr

<sup>1)</sup> Value with greatest numerical tolerance.

<sup>2)</sup> Value with lowest numerical tolerance.

<sup>3)</sup> Declared values were set under the following conditions: (reference temperature 10 °C, humidity  $u_{dry}$  reached by drying) according to EN ISO 10456.

<sup>4)</sup> 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.

<sup>5)</sup> Informative non-declared value beyond the scope of CPR, obtained by specific tests. Density value  $\pm 10\%$ .

<sup>6)</sup> 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](http://www.isover.cz/en/products/isover-multiplat-35)



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