

ISOVer ISOVer

SVT code: 955

Product identification code: 053-WS2-DoP-14-w2 Specification code: MW-EN 13 162-T5-MU1-WS-WL(P)-AFr5

Isover Multimax 30

Mineral fibreglass insulation

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 30 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 30, 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. 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	Declared thermal resistance	
		[pcs]	[m²]	[m³]	[m²]	R _p [m²⋅K⋅W⁻¹]
30	1200 × 600	18	12.96	0.39	155.52	1.00
50	1200 × 600	11	7.92	0.40	95.04	1.65
100	1200 × 600	5	3.60	0.36	43.20	3.30
150	1200 × 600	4	2.88	0.43	34.56	5.00

TECHNICAL PARAMETERS

Parameter	Unit	Methodology	Value	Designation code	
Geometric shape					
Length /	[%, mm]	EN 822	±2 %		
Width b	[%, mm]	EN 822	±1,5 %		
Thickness d	[%, mm]	EN 823	-1 % or -1 mm ¹⁾ and +3 mm	Class of thickness tolerances	Т5
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 $\Delta \epsilon_{b}$, 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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Mineral fibreglass insulation

TECHNICAL PARAMETERS

	Parameter	Unit	Methodology		Val	ue	Designation code			
safficient X ₂ ^N (M m K4) (K m K4) (Thermal technical properties									
been to prove the serie of the set of the s	Declared value of thermal conductivity coefficient $\lambda_{o}^{2)}$	[W·m ⁻¹ ·K ⁻¹]				0.0	30			
Pice add by properties All axistino 16 free (dats) [-] Declaration according to EN 1350/1+A1 All aximum temperature for use [-] Dit 4/02 part 17 <	Design thermal conductivity $\lambda_{u}^{(3)}$	[W·m ⁻¹ ·K ⁻¹]	-			0.0	34			
base in the form of the form	Specific heat capacity c_d	[J·kg ⁻¹ ·K ⁻¹]	Č	SN 73 0540-3		84	0			
axinum temperature for use (°C) · · · · · · · · · · · · · · · · · · ·	Fire safety properties									
eling expands (*C) DN H02 part 17 < 1000 ydrothermal properties Usg m³ Declaration according to EN 13162+A1 Measurement according to EN 13162+A1 Measurement according to EN 13162+A1 Measurement according to EN 13162+A1 1 Declared level for short-term water absorption by partial immersion partial immersion W	Reaction to fire class	[-]	Declaration ad	cording to EN 1350	1-1+A1	A	1			
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Under testspription (Eq. m ⁻²) Measurement according to EN 1500 1 Convertee macro mark assorption mark assorption With as	Hydrothermal properties									
Ingential immersion W	Short-term water absorption W_{ρ}	[kg·m⁻²]	•			1				WS
Viet of properties Prequency EN 1602 40 Presistance factor MOI actical sound absorption coefficient a, actical sound absorption coefficient a, elighted sound absorption coefficient a, presistance factor	Long-term water absorption by partial immersion W_{lp}	[kg·m ⁻²]		, , , , , , , , , , , , , , , , , , ,		3				wL(P)
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Image: contract is a contract of the contract	Acoustic properties4)									
$ \frac{1}{100} = \frac{30 \text{ mm}}{100} = \frac{0.05}{0.90} = 0.40 \\ \frac{1}{100} = 0.95 \\ \frac{1}{100} = $		[-]	Declaration according to EN ISO 11654			I	_evel of pr	actical sound absor	ctical sound absorption coefficient	
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	Weighted sound absorption coefficient a_{μ}		(for NRC according ASTM C423)							
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Notice control of the control of t	Eutrophication potential	[kg PO ₄ ³⁻	ekv. /FU]	ČSN ISO 14025		0.00	723	EP		
sources Lkg sb ekv. /F0_j ČSN ISO 14025 5.44 E-06 ADP-elements nintic depletion potential for fossil resources [MJ (Calorific value) EN 15804+A1, 161 ADP-fossil fuels	Photochemical ozone creation	[kg C_2H_4 ekv. /FU]		ČSN ISO 14025		0.0214		POPC		
	Abiotic depletion potential for non-fossil resources			ČSN ISO 14025		5.44 [5.44 E-06		ADP-elements	
/r 0] C30 130 14023	Abiotic depletion potential for fossil resources			EN 15804+A1, ČSN ISO 14025		16	1	ADP-fossil fuels		

^b Value with greatest numerical tolerance.
² Declared values were set under the following conditions: (reference temperature 10 °C, humidity u_{dy} reached by drying) according to EN ISO 10456.
³ 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.

⁴⁾ Informative non-declared value beyond the scope of CPR, obtained by specific tests.

⁵⁾ In this case it is standard mixed waste.

⁶⁾ FU = functional unit (1 m² of insulation at a thickness of 100 mm for life cycle phases A1-A3).

RELATED DOCUMENTS

Declaration of Performance

Environmental Product Declaration ISO 9001, ISO 14001, ISO 45001

More about the product



www.isover.cz/en/products/isover-multimax-30

10/1/2024 The information provided herein is valid at the time of publication. The manufacturer reserves the right to change the data.