

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

<b>Thickness</b> [mm]	Length × width [mm]		Volume per package	Quantity per pallet	Declared thermal resistance	
		[pcs]	[m²]	[m³]	[m²]	<b>R</b> <sub>p</sub> [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 <sup>1)</sup> and +3 mm	Class of thickness tolerances	Т5
Deviation from squareness of the edge on length and width $S_b$	[mm·m <sup>·1</sup> ]	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)

# **Isover Multimax 30**

Mineral fibreglass insulation

## **TECHNICAL PARAMETERS**

	Parameter	Unit	Methodology		Val	ue	Designation code			
safficient X <sub>2</sub> <sup>N</sup> (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 <sup>-1</sup> ·K <sup>-1</sup> ]				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 <sup>-1</sup> ·K <sup>-1</sup> ]	-			0.0	34			
base in the form of the form	Specific heat capacity $c_d$	[J·kg <sup>-1</sup> ·K <sup>-1</sup> ]	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			
yield between the second ing to EN 13162+A1   1   Declared level for short-term water absorption   WS     ping-term water absorption W	Maximum temperature for use	[°C]				20	0			
Protection seconding to EN 1562+41     1     Declaration seconding to EN 1562+41     1     Declaration seconding to EN 1562+41     3     Declaration seconding to EN 1562+41     4     Declaration seconding to EN 1562+41     1     Declaration seconding to EN 1562+41     4     Declaration seconding to EN 1562+41     E	Melting temperature $t_t$	[°C]	DI	N 4102 part 17		< 10	00			
Under testspription     (Eq. m <sup>-2</sup> )     Measurement according to EN 1500     1     Convertee macro mark assorption mark assorption     With as	Hydrothermal properties									
Ingential immersion W	Short-term water absorption $W_{\rho}$	[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 <sup>-2</sup> ]		, , , , , , , , , , , , , , , , , , ,		3				wL(P)
ensity[kg m³]EN 160240endcousic properties*Declaration according to EN 13162+A1 Declaration according to EN 150 1654Level of proteils sound absorption coefficient a Measurement according to EN 150 1654Level of proteils sound absorption coefficient a 0.05APactical sound absorption coefficient a pund Absorption coefficient a pund Absorption Average a, of the measurement according to EN 150 16541000.050.091000.950.951.00EI30 mm0.050.400.850.900.951.000.950.951.00100 mm1000.950.951.000.950.951.000.950.951.00Single number valuea, 4 (for NRC according ASTM C423)Level of weighted sound absorption coefficient NRCNCRNCRNCRSingle number valuea, 4 (for NRC according ASTM C423)0.860.950.950.951.00Single number valuea, 50 mm0.070.860.950.951.00Single number valuea, 50 mm0.070.860.955Single number valuea, 50 mm0.000.960.955Single number valuea, 50 mm0.000.960.955Single number valuea, 50 mm0.000.860.955Single All is the intervention coefficient of the measurement according to EN 15804+A11.61NHWD5Single All is t	Water vapour diffusion resistance factor $\mu$	[-]	Declaration according to EN 13162+A1			1				ion MU1
coustic properties**     Image: Second properties**     A pectaration according to EN ISI0:4:4.1 Declaration according to EN ISI0:4:4.1 Measurement according to EN ISO 1654 Measurement according to EN ISO 1654 Measurement according to EN ISO 1654 Measurement according to EN ISO 1654     Level of practical sound absorption coefficient a 0.05     AP       ieighted sound absorption coefficient a und Absorption Average a place reduction coefficient NRC     Image: Coefficient a 0.00     Image: Coefficie	Other properties									
Image: bit of the state in a coording to EN ISIG2+41   Level of practical sound absorption coefficient $a_{\mu}$ AP     actical sound absorption coefficient $a_{\mu}$ Frequency   125 Hz   250 Hz   500 Hz   1000 Hz   2000 Hz   4000 Hz     30 mm   0.05   0.09   1.00   0.95   0.90   0.95   1.00     50 mm   0.25   0.90   1.00   0.95   0.95   0.90   0.95   0.90     100 mm   1.00   0.95   0.95   1.00   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.90   0.95   0.90   0.95   0.90   <	Density	[kg·m <sup>-3</sup> ]		EN 1602		40	)			
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	
So mm   So m   S	Practical sound absorption coefficient a	Frequency		125 Hz	250	Hz	500 H	z 1000 Hz	2000 Hz	4000 Hz
$   00 \ mm   100 \ mm   100 \ 0.95 \ 0.95 \ 0.95 \ 1.00 \ 0.95 \ 0.95 \ 0.96 \ 0.95 \ 0.96 \ 0.95 \ 0.96 \ 0.95 \ 0.96 \ 0.95 $	٣		30 mm	0.05	0.4	40	0.85	0.90	0.95	1.00
Image: Problem is a state of potential operation potential (kg SO v K/FU)EN ISO 11654 (for NR Cascording AST M C423)Level of weighted sound absorption coefficient M CAAWImage: Problem isolation potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential for non-fossill sources[kg SP v K/FU]EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0799APImage: Potential operation potential for non-fossill (kg SP v K/FU)EN ISS04+A1, CSN ISO 140250.0714POPC			50 mm	0.25	0.9	90	1.00	0.95	0.95	1.00
$ \begin{array}{c c c c c c } \hline \begin{tabular}{ c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$			100 mm	1.00	0.9	95	0.95	1.00	0.95	0.90
	Weighted sound absorption coefficient $a_{\mu}$		(for NRC according ASTM C423)							
bise reduction coefficient NRC     3.01/mm     0.00 (m)     0.033	Sound Absorption Average $a_{a}$	Single numb								
$ \begin{array}{c c c c c } 100 \ \mbox{m} & 1.00 \ m$	Noise reduction coefficient NRC									
Declaration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Becidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 13162+A1Level of air flow resistivity $r$ AFrbecidiration according to EN 15804+A1Level of air flow resistivity $r$ AFrcolspan="4">Becidiration according to EN 15804+A1Level										
beedific air flow resistivity r[kPa·s·m²]Measurement according to EN ISO 9053-1 $\ge 5$ nvironmental properties/impactsintervironintervironintervironintervirononn-hazardous waste disposed®[kg /FU <sup>6</sup> ]EN IS804+A1, CSN ISO 140251.61NHWDobal warming potential[kg /FU <sup>6</sup> ]EN IS804+A1, CSN ISO 14025135PENRTobal warming potential[kg CO2 ekv. /FU]EN IS804+A1, CSN ISO 140258.16GWPcone depletion[kg CFC 11 ekv. /FU]EN IS804+A1, CSN ISO 140252.40 E-07ODPcidification potential[kg SO2 ekv. /FU]EN IS804+A1, CSN ISO 140250.0799APcidification potential[kg SO4 ekv. /FU]EN IS804+A1, CSN ISO 140250.00723EPcidification potential[kg C2, 4 ekv. /FU]EN IS804+A1, CSN ISO 140250.0214POPCcidification potential[kg Sb ekv. /FU]EN IS804+A1, CSN ISO 140250.0214POPCnotochemical ozone creation[kg Sb ekv. /FU]EN IS804+A1, CSN ISO 140250.0214POPCnotochemical ozone creation[kg Sb ekv. /FU]EN IS804+A1, CSN ISO 140255.44 E-06ADP-elementsnotochemical ozone creation potential for non-fossil sources[MJ (Calorific value)EN IS804+A1, CSN ISO 1402510ADP.notochemical ozone creation potential for non-fossil sources[MJ (Calorific value)EN IS804+A1, CSN ISO 1402510ADP.							Level of air			
Den-hazardous waste disposed <sup>50</sup> [kg /FU <sup>6</sup> ]EN 15804+A1, CSN ISO 140251.61NHWDtal use of non-renewable primary hergy resources[MJ /FU]EN 15804+A1, CSN ISO 14025135PENRTobal warming potential[kg C02 ekv. /FU]EN 15804+A1, CSN ISO 140258.16GWPzone depletion[kg CFC 11 ekv. /FU]EN 15804+A1, CSN ISO 140252.40 E-07ODPcidification potential[kg S02 ekv. /FU]EN 15804+A1, CSN ISO 140250.0799APcidification potential[kg P04 * ekv. /FU]EN 15804+A1, CSN ISO 140250.00723EPcidification potential[kg C244 ekv. /FU]EN 15804+A1, CSN ISO 140250.0214POPCcidification potential[kg C244 ekv. /FU]EN 15804+A1, CSN ISO 140250.0214POPCcidification potential[kg C244 ekv. /FU]EN 15804+A1, CSN ISO 140250.0214POPCcidification potential for non-fossil[kg C244 ekv. /FU]EN 15804+A1, CSN ISO 140250.0214POPCciditic depletion potential for non-fossil[kg Sb ekv. /FU]EN 15804+A1, CSN ISO 140250.0214POPC	Specific air flow resistivity r	[kPa·s·m <sup>-2</sup> ]	Measurement according to							
Dn-hazardous waste disposed**     [kg /FU*]     ČSN ISO 14025     I.61     NHWD       tal use of non-renewable primary tergy resources     [MJ /FU]     ČSN ISO 14025     135     PENRT       obal warming potential     [kg CO2 ekv. /FU]     EN 15804+A1, ČSN ISO 14025     8.16     GWP       zone depletion     [kg CFC 11 ekv. /FU]     ČSN ISO 14025     2.40 E-07     ODP       cidification potential     [kg SO2 ekv. /FU]     ČSN ISO 14025     0.0799     AP       utrophication potential     [kg PO4* ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.00723     EP       obal warming potential     [kg PO4* ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.00723     EP       otochemical ozone creation     [kg C2H4 ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.0214     POPC       obal warming botential for non-fossil     [kg Sb ekv. /FU]     EN 15804+A1, ČSN ISO 14025     5.44 E-06     ADP-elements	Environmental properties/impacts									
mergy resources[MJ /F0]ČSN ISO 14025ISSPENRIobal warming potential[kg CO2 ekv. /FU]EN 15804+A1, ČSN ISO 140258.16GWPzone depletion[kg CFC 11 ekv. /FU]EN 15804+A1, ČSN ISO 140252.40 E-07ODPcidification potential[kg SO2 ekv. /FU]EN 15804+A1, ČSN ISO 140250.0799APutrophication potential[kg PO43 ekv. /FU]EN 15804+A1, ČSN ISO 140250.00723EPobal warming potential[kg PO43 ekv. /FU]EN 15804+A1, ČSN ISO 140250.00723EPotochemical ozone creation[kg C24 ekv. /FU]EN 15804+A1, ČSN ISO 140250.0214POPCobitic depletion potential for non-fossil[kg Sb ekv. /FU]EN 15804+A1, ČSN ISO 140250.0214POPCobitic depletion potential for non-fossil[kg Sb ekv. /FU]EN 15804+A1, ČSN ISO 140250.0214POPC	Non-hazardous waste disposed <sup>5)</sup>	[kg /F	<sup>-</sup> U <sup>6)</sup> ]			1.6	61		NHWD	
obal warming potential     [kg CO2 ekv. /FU]     ČSN ISO 14025     8.16     GWP       zone depletion     [kg CFC 11 ekv. /FU]     ČSN ISO 14025     2.40 E-07     ODP       cidification potential     [kg SO2 ekv. /FU]     ĒN 15804+A1, ČSN ISO 14025     0.0799     AP       utrophication potential     [kg PO43 ekv. /FU]     ĒN 15804+A1, ČSN ISO 14025     0.00723     EP       otochemical ozone creation     [kg C2H4 ekv. /FU]     ĒN 15804+A1, ČSN ISO 14025     0.0214     POPC       obiotic depletion potential for non-fossil sources     [kg Sb ekv. /FU]     ĒN 15804+A1, ČSN ISO 14025     0.0214     POPC	Total use of non-renewable primary energy resources	[MJ /	FU]	ČSN ISO 14025		135		PENRT		
Zone depletion     [kg CFC II ekV. /FU]     ČSN ISO 14025     Z.40 E-07     ODP       cidification potential     [kg SO2 ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.0799     AP       utrophication potential     [kg PO43- ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.00723     EP       notochemical ozone creation     [kg Sb ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.0214     POPC       piotocic depletion potential for non-fossil sources     [kg Sb ekv. /FU]     EN 15804+A1, ČSN ISO 14025     0.0214     POPC	Global warming potential	[kg CO <sub>2</sub> e	kv. /FU]	ČSN ISO 14025		8.16		GWP		
Cidification potential     [kg SO2 ekv. /FU]     ČSN ISO 14025     0.0799     AP       utrophication potential     [kg PO43 ekv. /FU]     ČSN ISO 14025     0.00723     EP       notochemical ozone creation     [kg C2H4 ekv. /FU]     ČSN ISO 14025     0.00723     POPC       poiotic depletion potential for non-fossil sources     [kg Sb ekv. /FU]     ČSN ISO 14025     0.0214     POPC	Ozone depletion	[kg CFC 11	ekv. /FU]	ČSN ISO 14025		2.40	E-07			
Introprilection potential     It g P G_4^{ekv. /FU]}     ČSN ISO 14025     0.00723     EP       notochemical ozone creation     [kg C_2H_4 ekv. /FU]     ÉN IS804+A1, ČSN ISO 14025     0.0214     POPC       piotic depletion potential for non-fossil sources     [kg Sb ekv. /FU]     ÉN IS804+A1, ČSN ISO 14025     0.0214     POPC       piotic depletion potential for non-fossil sources     [kg Sb ekv. /FU]     ÉN IS804+A1, ČSN ISO 14025     5.44 E-06     ADP-elements	Acidification potential	[kg SO <sub>2</sub> e	kv. /FU]	ČSN ISO 14025		0.07	'99	AP		
Notice control of the control of t	Eutrophication potential	[kg PO <sub>4</sub> <sup>3-</sup>	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		

<sup>b</sup> Value with greatest numerical tolerance.
<sup>2</sup> Declared values were set under the following conditions: (reference temperature 10 °C, humidity u<sub>dy</sub> reached by drying) according to EN ISO 10456.
<sup>3</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>4)</sup> Informative non-declared value beyond the scope of CPR, obtained by specific tests.

<sup>5)</sup> In this case it is standard mixed waste.

<sup>6)</sup> FU = functional unit (1 m<sup>2</sup> 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.