

Product:	MASTERWOOL GLASS- UB039	
Supplier:	MASTERPLAST, H-8143 Sárszentmihály, Árpád u. 1/A. (www.masterplastgroup.com) PIMCO Kft., 3900 Szerencs, külterület hrsz. 086/13	
Size, packaging:	Packed in boards, wrapped in shrink film, in the packaging sizes specified in Table 1.	
Application:	Suitable for insulating internal timber- and metal-framed partition wall structures, pitched roofs with additional fixing, raised floors, and floor/ceiling structures above suspended ceilings. It can also be used in non-walkable attic floors and in walkable attic floors when installed between joists. The insulation material must be protected on the side facing the heated interior space by an air-tight and vapour-tight vapour control/barrier membrane layer (with continuity ensured by suitable sealing tapes and auxiliary adhesive materials) in order to prevent condensation caused by moisture that may penetrate into the structure.	
Material:	Non-load-bearing thermal and acoustic insulation material made of hydrophobized glass fibres, with a formaldehyde-free (bio-based) binder and without facing.	

Properties		Test method	Value/ Level		Unit
Thermal resistance	Thermal conductivity	EN 12667	λ_D	0,039	W/m·K
	Thermal resistance		R_D	see tabel 1.	m ² ·K/W
	Thickness	EN 823	T2	50- 100 -5 ^a / +15 ^b	mm % or mm ^{ab}
Durability of thermal resistance against heat, weathering, ageing/ degradation	Thermal conductivity	EN 12667	λ_D	0,039	W/m·K
	Thermal resistance		R_D	see tabel 1.	m ² ·K/W
Fire behavior	Reaction to fire	EN 13501-1	RtF	A1	class
Durability of reaction to fire against heat, weathering, ageing/ degradation	Reaction to fire		RtF	A1	class
Compressive strength	Compressive stress or compressive strength	EN 826	CS(10/Y)	NPD	-
	Point load	EN 826	PL	NPD	-
Tensile strength	Tensile strength perpendicular to faces	EN 1607	TR	NPD	-
Water permeability	Short term water absorption	EN 1609	WS	NPD	-
	Long term water absorption	EN 12087	WL(P)	NPD	-
Water vapour permeability	Water vapour transmission (μ)	EN 12086	MU	1	-
Direct airborne sound insulation index	Air flow resistivity	-	AF _r	5	-
Release of dangerous substances	Release of dangerous substances	-	-	NPD	-
Continous glowing combustion		-	-	NPD	-

NPD -No Performance Determined

Table 1.

Thickness	50 mm	75 mm	100 mm
R_D (m ² ·K/W)	1,25	1,90	2,55
Width	600 mm	600 mm	600 mm
Length	1250 mm	1250 mm	1250 mm
m ² /package	12	7,5	6
board/package	16	10	8
package/pallet	32	32	32

Storage and warehousing conditions:

The compressed-packaged insulation boards are placed horizontally on pallets, arranged in single units per layer (with eight packages per unit), and wrapped in shrink film with four layers per pallet. The top and side surfaces of the pallet are protected with UV-resistant, waterproof foil, making the factory-packaged pallets suitable for both outdoor and indoor storage. The recommended maximum storage period is 3 months outdoors and 6 months indoors. Opened pallets must only be stored in a covered, dry place. Pallets must not be stacked, as this may cause damage to the packaging and the glass wool. Pallets must be placed on a dry, level surface in order to prevent the lower packages from becoming wet.

Guarantee, warranty:

In accordance with the current legislations and the conditions of the distributor. The observation of the application rules of the product and presentation of the invoice constitute a prerequisite for possible future warranty claims.

Standards, specifications:

EN 13162:2012+A1:2015

Designation according to the standard:

MW-EN 13162-T2-MU1-AFr5

Health and safety:

No labelling required in accordance with the relevant regulation (EC) No. 1907/2006 of the European Parliament and of the Council (REACH).

This datasheet corresponds to our current knowledge, experiences and general informations on the subject, but may be revised as new knowledge and/or experience becomes available. It does not imply any legally binding assurance. The product possesses the given technical characteristics. Since all variations of end-using of the product can not be anticipated, the designer/end-user's responsibility to make sure of the suitability of this product for particular purposes, structures. The manufacturer supposes essential technical skill and skillfull application during construction.

This technical datasheet is applied to products sold by MASTERPLAST International Kft. and valid until withdrawal or until modification. Since this datasheet may be subject to revision, it is the responsibility of designer/end-user to make sure of possessing the latest version of the datasheet (*see date of issuing). Most recent version of this datasheet can be also accessed under www.masterplastgroup.com. Herewith the previously issued versions of this datasheets lose their validity and must be replaced by this version!