PRODUCT CATALOG

AUGUST 2020

ISOROC®

ISOROC Polska S.A. is a manufacturer of mineral wool panels for use in construction.
Our products provide improved energy and acoustic efficiency of buildings. The whole range has the highest class of reaction to fire A1, which additionally increases the fire safety of the building.

Thanks to their thermal, acoustic and fire protection properties, ISOROC products help to save energy and create a healthy and safe microclimate in rooms.

On 13 September 2017, the Belgian Association for the Certification of Construction Materials (BCCA) awarded ISOROC brand products with the Certificate of the European Council for the Certification of Mineral Wool Products (EUCEB).

Constant and high quality of our products is guaranteed by the implemented and maintained systems of Factory Production Control and Quality Management **ISO 9001.**

Ladies and Gentlemen, Dear Customers,

The year 2020 is a special year with many challenges. The pandemic affects the lives of all of us. It affects our way and mode of operation, as well as the priorities we set ourselves. The latter are unchangeable at ISOROC POLSKA S.A. – the health and safety of our employees with the simultaneous provision of high level of service to our customers. Recent months have shown that we are able to adapt to the new reality, while maintaining the full operational capacity and high quality of service. We have not remained passive in terms of product portfolio development. To meet the needs and expectations of the construction market, we introduce new solutions:

ISOFFIT – board with lining of glass veil for ceiling insulation over unheated rooms.

ISOFAS 35 – an improved product for exterior wall insulation in ETICS technology compared to the standard version.

ISOPANEL-SC – hard stone wool slab for use as thermal, acoustic and fire insulation of staircase walls.

Through the continuous efforts of the team of ISOROC POLSKA S.A. Employees, we strive to consistently deliver products that provide a sense of safety, comfort and warmth where they are used.

Thank you for your interest in our offer and the trust you place in us. At the same time, we invite you to cooperate and contact our technical and commercial advisors.

Tomasz Parys
Sales Director
ISOROC POLSKA S.A.

MINERAL WOOL IN YOUR HOUSE IS:

The highest level of thermal insulation

Fire barrier

Vapour-permeability

Excellent sound absorption properties

Beneficial impact on the environment

- reduces energy consumption
- resistant to chemical corrosion
- does not degrade
- its durability exceeds that of plastics

APPLICATION

PRODUCTS

RECOMMENDED USE
X POSSIBLE USE

	ISOLIGHT	ISOACOUSTIC	ISOVENT	ISOVENT-M	ISOVENT-MW	ISOPANEL-W	ISOFAS	ISOFAS 35 *	ISOPANEL/ISOPANEL-SE	SOPANEL-SC *	ISOFAS-P	ISOLOCK	ISOFAS-C1/ISOFAS-C2	ISOFAS-LM	ISOBELT-FS	ISOFAS-LMG/ISOLAM-G	ISOLAM	ISOFIT *	ISOPANEL-D	ISOROOF-T	MW60 ISOROOF-TOP *	ISODECK	ISOROOF-B	ISOROOF-H	ISOROOF	ISOSTEP
Utility attics	■	■		X																						
Ceilings on joists	■	■		X																						
Ventilated flat roofs	■	■		X																						
Suspended ceilings	■	■		X																						
Frame structures	■	■		X																						
Partition walls	■	■		X																						
Cover walls	X	■		X																						
Three-layer walls	X	■		■	X																					
Ventilated facades		X	■	■	■	■																				
Staircases, dilatations										■	■															
External walls - light dry method		X	■	■	■	■																				
External walls - heavy dry method		X	■	■	■	■																				
External walls - ETICS SYSTEM							■	■	■		■	■	■	■	■											
Ceilings over unheated rooms					X										X	■	■	■								
Floating floors on the ground and ceiling																			X	■	■	■	■	■	■	■
Flat roofs																			■	■	■	■	■	■	■	

GENERAL CONSTRUCTION

VENTILATED FACADES

ETICS

CEILINGS OF GARAGES AND BASEMENTS

FLOORS

FLAT ROOFS

ISOLIGHT

Mineral wool slabs

General construction

Application:

For thermal, acoustic and fire insulation:

- ✓ attics between rafters,
- ✓ floors between the joists,
- ✓ ceilings from underneath with cladding (suspended ceilings),
- ✓ in internal partition wall structures,
- ✓ cavity walls with ventilated and non-ventilated air gap
- ✓ frame structure fillings, wooden or steel structures
- ✓ ventilated (bipartite) roofs.

Insulation of the pitched roof

1 - Gypsum board
2 - ISOLIGHT
3 - Air gap
4 - Formwork
5 - Roof covering

Parameters:

ISOLIGHT MW-EN 13162-T4-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%
	≥ 100 mm		[%/mm]		- 3% / + 5 mm
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)0,5	≥ 0.5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.037
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]					
50	75	80	100	150	200
Heat resistance R_D [m²K/W]					
1.35	2.00	2.15	2.70	4.05	5.40

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 packet	Volume of 1 packet	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	500	12	6.00	0.300	20	120.00	6.00
75			8	4.00			80.00	
80			6	3.00	0.240		60.00	4.80
100			6	3.00	0.300		60.00	6.00
150			4	2.00			40.00	
200			3	1.50			30.00	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOACOUSTIC

Mineral wool slabs

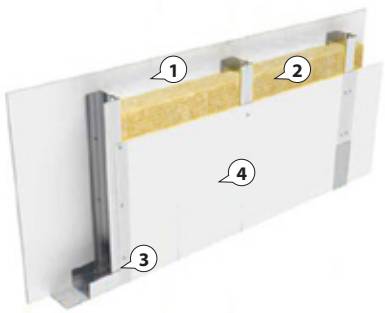
General construction

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-dry method with stone, glass, PVC, etc,
- ✓ attics between rafters,
- ✓ floors between the joists,
- ✓ ventilated (bipartite) roofs,
- ✓ ceilings from underneath with cladding (suspended ceilings),
- ✓ in internal partition wall structures,
- ✓ cavity walls with ventilated and non-ventilated air grip,
- ✓ frame structure fillings, wooden or steel structures.

Partition wall insulation



1 – Rigips board
2 - ISOACOUSTIC
3 - Aluminium frame
4 - Plasterboard

Parameters:

ISOACOUSTIC
MW-EN 13162-T4-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AW0,80 d=50÷74 mm
MW-EN 13462-T4-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AW0,90 d=75÷200 mm

Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%
	≥ 100 mm		[%/mm]		- 3% / + 5 mm
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)0,5	≥ 0.5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level	<75 mm	PN-EN ISO 354	[-]	AW0,80	0.80
	≥75 mm			AW0,90	0.90
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]					
50	75	80	100	150	200
Heat resistance R_D [m²K/W]					
1.35	2.05	2.20	2.75	4.15	5.55

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 packet	Volume of 1 packet	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	12	7.20	0.360	16	115.20	5.76
75			8	4.80			76.80	
80			6	3.60	0.288	20	72.00	
100			6	3.60	0.360	16	57.60	
150			4	2.40			38.40	
200			3	1.80			28.80	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOVENT

Mineral wool slabs

External walls

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-dry method with stone, glass, PVC, etc
- ✓ three-layer walls,
- ✓ frame walls,
- ✓ partition walls,
- ✓ chimney systems,
- ✓ in acoustic screens.

Parameters:

ISOVENT MW-EN 13162-T4-DS(70,90)-CS(10)15-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3mm/ + 5%
	≥ 100 mm		[%/mm]		- 3% / + 5 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)15	≥ 15
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

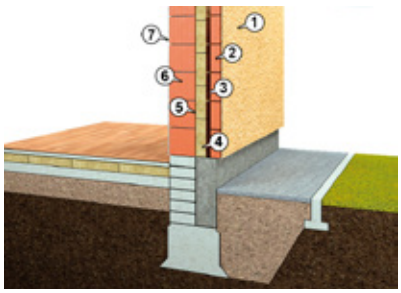
Thickness [mm]				
50	80	100	150	200
Heat resistance R_D [m²K/W]				
1.35	2.20	2.75	4.15	5.55

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.88
80			3	1.80	0.144	20	36.00	
100			3	1.80	0.180	16	28.80	
150			2	1.20	0.180	16	19.20	
200			2	1.20	0.240	12	14.40	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

Insulation of the external three-layer wall



1 - Mineral plaster
2 - Ceramic hollow bricks
3 - Ventilation gap
4 - ISOVENT
5 - Connector
6 - Ceramic hollow bricks
7 - Plaster

ISOVENT-M

Mineral wool slabs

External walls

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-dry method with a panel facade (e.g. made of sheet metal, boards, siding),
- ✓ three-layer walls,
- ✓ external walls with a stone or glass facade,
- ✓ frame walls,
- ✓ partition walls,
- ✓ in acoustic screens.

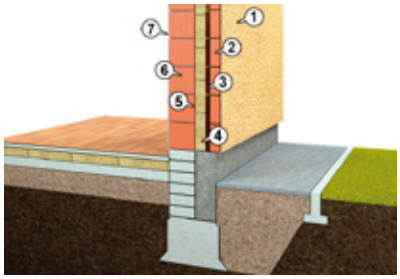
Parameters:

ISOVENT-M MW-EN 13162-T3-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1-AW1,00					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
	≥ 100 mm		[%/mm]		- 3% / + 10 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)10	≥ 10
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR5	≥ 5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level		PN-EN ISO 354	[-]	AW1,00	1.00
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.035
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]					
50	80	100	120	150	200
Heat resistance R_D [m²K/W]					
1.40	2.25	2.85	3.40	4.25	5.70

Insulation of the external three-layer wall



1 - Mineral plaster
2 - Ceramic hollow bricks
3 - Ventilation gap
4 - ISOVENT-M
5 - Connector
6 - Ceramic hollow bricks
7 - Plaster

Dimensions and packaging

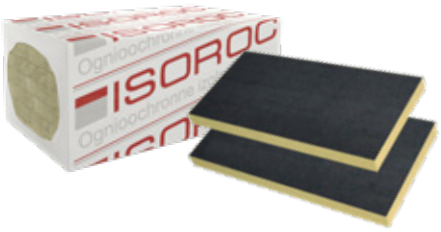
Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.88
80			3	1.80	0.144	20	36.00	
100			3	1.80	0.180	16	28.80	
120			2	1.20	0.144	20	24.00	
150			2	1.20	0.180	16	19.20	
200			2	1.20	0.240	12	14.40	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOVENT-MW

Mineral wool slabs with a glass veil

External walls



Finishing:

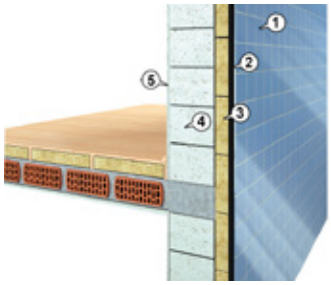
Plates covered with black glass veil on one side

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-dry method with stone, glass, PVC, etc,
- ✓ three-layer walls,
- ✓ frame walls,
- ✓ partition walls,
- ✓ in acoustic screens.

Insulation of external wall with glass lining



1 - Glass lining
2 - Ventilation gap
3 - ISOVENT-MW
4 - Concrete blocks
5 - Plaster

Parameters:

ISOVENT-MW MW-EN 13162-T3-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1-AW1,00					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
	≥ 100 mm		[%/mm]		- 3% / + 10 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)10	≥ 10
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR5	≥ 5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level		PN-EN ISO 354	[-]	AW1,00	1.00
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]					
50	80	100	120	150	200
Heat resistance R_D [m²K/W]					
1.35	2.20	2.75	3.30	4.15	5.55

Dimensions and packaging

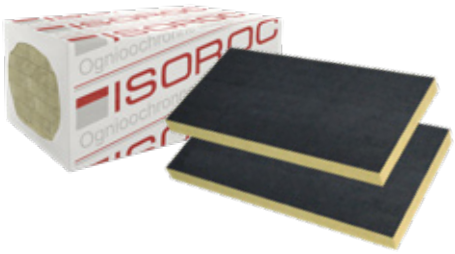
Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.88
80			3	1.80	0.144	20	36.00	
100			3	1.80	0.180	16	28.80	
120			2	1.20	0.144	20	24.00	
150			2	1.20	0.180	16	19.20	
200			2	1.20	0.240	12	14.40	

If you are interested in other thicknesses or dimensions than those indicated above, please contact your Technical and Commercial Advisor.

ISOPANEL-W

Mineral wool slabs with a glass veil

External walls



Finishing:

Plates covered with black glass veil on one side

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-dry method with stone, glass, PVC, etc,
- ✓ three-layer walls,
- ✓ frame walls,
- ✓ partition walls,
- ✓ in acoustic screens.

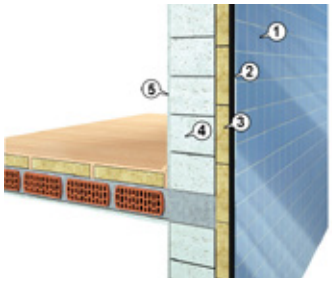
Parameters:

ISOPANEL-W MW-EN 13162-T3-DS(70,90)-CS(10)15-TR5-WS-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
	≥ 100 mm		[%/mm]		- 3% / + 10 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)15	≥ 15
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR5	≥ 5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]		
50	80	100
Heat resistance R_D [m²K/W]		
1.35	2.20	2.75

Insulation of external wall with glass lining



1 - Glass lining
2 - Ventilation gap
3 - ISOPANEL-W
4 - Concrete blocks
5 - Plaster

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.88
80			3	1.80	0.144	20	36.00	
100			3	1.80	0.180	16	28.80	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFAS

Mineral wool slabs

External walls

Application:

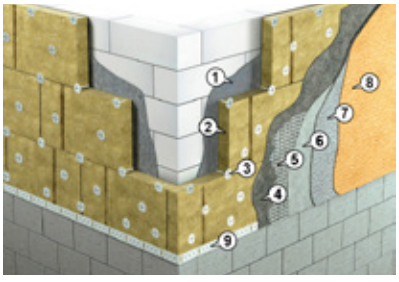
For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).

Slab marking:

The outside of the slab is marked with an overprint

Insulation of external walls in ETICS system



1 - Adhesive mortar
2 - ISOFAS
3 - Mechanical connector with steel core
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

Parameters:

ISOFAS				50÷119 mm MW-EN 13162-T4-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1		120÷200 mm MW-EN 13162-T4-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1	
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances			
				Codes for classes or tolerances	Values	Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%	T4	- 3 mm / + 5%
	≥ 100 mm		[%/mm]		- 3% / + 5 mm		- 3% / + 5 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)20	≥ 20	CS(10)30	≥ 30
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10	TR10	≥ 10
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kPa]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
50	60	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]									
1.35	1.65	2.20	2.75	3.30	3.85	4.15	4.40	5.00	5.55

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Slab coverage surface on the pallet	Coverage surface on the pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.880
60			5	3.00	0.180	16	48.00	2.880
80			3	1.80	0.144	20	36.00	2.880
100			3	1.80	0.180	16	28.80	2.880
120			2	1.20	0.144	20	24.00	2.880
140			2	1.20	0.168	16	19.20	2.688
150			2	1.20	0.180	16	19.20	2.880
160			2	1.20	0.192	12+16	33.60	5.376
170			2	1.20	0.204	12+16	33.60	5.712
180			2	1.20	0.216	12	14.40	2.592
200			2	1.20	0.240	12	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFAS 35

Mineral wool slabs

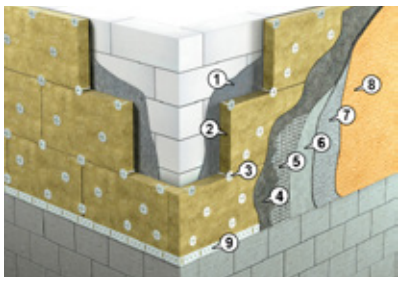
External walls

Application:

For thermal, acoustic and fire insulation:

✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).

Insulation of external walls in ETICS system



1 - Adhesive mortar
2 - ISOFAS 35
3 - Mechanical connector with steel core
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

Parameters:

ISOFAS 35				50÷200 mm MW-EN 13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1-AFr5	
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances: Codes for classes or levels	Tolerances: Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T5	-1 mm /+3 mm
	≥ 100 mm		[%/mm]		-1% /+ 3 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1(change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)20	≥ 20
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12087	[-]	WL(P)	≤ 3.0
Level of long-term water absorption at partial immersion		PN-EN 12086	[kg/m²]	MU1	≤ 1.0
Airflow resistance		PN-EN 29053	[kPa·s/m²]	AFr5	≥ 5
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.035
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
50	60	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]									
1.40	1.70	2.25	2.85	3.40	4.00	4.25	4.55	5.10	5.70

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	8	4.80	0.240	24	115.20	5.760
60			6	3.60	0.216	24	86.40	5.184
80			5	3.00	0.24,	24	72.00	5.760
100			4	2.40	0.24,	24	57.60	5.760
120			3	1.80	0.216	24	43.20	5.184
140			3	1.80	0.252	20	36.00	5.040
150			2	1.20	0.180	32	38.40	5.760
160			2	1.20	0.192	28	33.60	5.376
180			2	1.20	0.216	24	28.80	5.184
200			2	1.20	0.240	24	28.80	5.760

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOPANEL-SC

Mineral wool slabs

Staircase walls

Application:

For thermal, acoustic and fire insulation:

✓ staircases.

Parameters:

ISOPANEL-SC d=30 mm MW-EN 13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1-AFr5					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T5	-1mm /+3mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1(change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)20	≥ 20
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12087	[-]	WL(P)	≤ 3.0
Level of long-term water absorption at partial immersion		PN-EN 12086	[kg/m²]	MU1	≤ 1.0
Airflow resistance		PN-EN 12667	[kPa·s/m2]	AFr	≥ 5
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.035
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

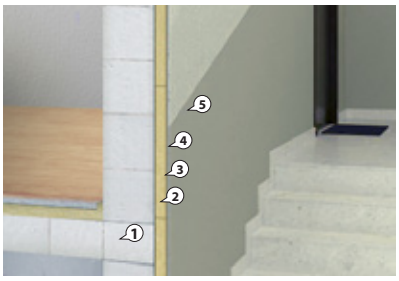
Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]
30
Heat resistance R_D [m²K/W]
0.85

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
30	1200	600	8	5.76	0.1728	36	207.36	6.2208

Internal wall insulation



1 - Masonry element
2 - ISOPANEL-SC
3 - Reinforced layer
4 - Primer
5 - Finishing layer

ISOPANEL-SE

Mineral wool slabs

External walls

Application:

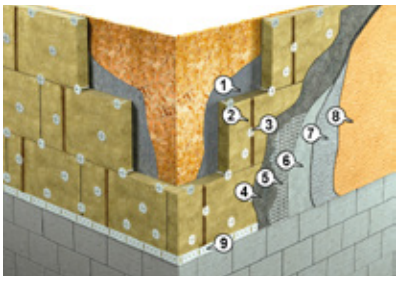
For thermal, acoustic and fire insulation:

✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).

Slab marking:

The outside of the slab is marked with an overprint

Insulation of external walls in ETICS system



1 - Adhesive mortar
2 - ISOPANEL-SE
3 - Mechanical connector with steel core
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

Parameters:

ISOPANEL-SE 50÷200 mm MW-EN 13162-T5-DS(70,90)-CS(10)30-TR15-PL(5)250-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T5	-1 mm/+3 mm
	≥ 100 mm		[%/mm]		- 1 mm / + 3 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)30	≥ 30
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15
Point load level for 5 mm deformation		EN 12430	[N]	PL(5)250	≥ 250
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
50	60	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]									
1.35	1.65	2.20	2.75	3.30	3.85	4.15	4.40	5.00	5.50

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Slab volume on the pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.880
60			5	3.00	0.180	16	48.00	2.880
80			3	1.80	0.144	20	36.00	2.880
100			3	1.80	0.180	16	28.80	2.880
120			2	1.20	0.144	20	24.00	2.880
140			2	1.20	0.168	16	19.20	2.688
150			2	1.20	0.180	16	19.20	2.880
160			2	1.20	0.192	12+16	33.60	5.376
180			2	1.20	0.216	12	14.40	2.592
200			2	1.20	0.240	12	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOPANEL

Mineral wool slabs

External walls

Application:

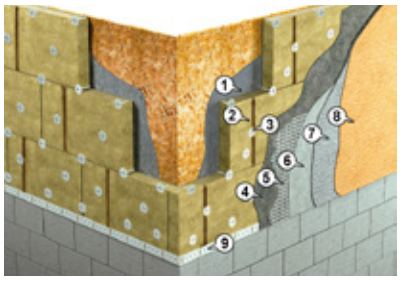
For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light wet method (ETICS),
- ✓ as acoustic insulation in noise screens,
- ✓ as thermal insulation in chimney systems,
- ✓ for dilatation,
- ✓ staircases.

Slab marking:

The outside of the slab is marked with an overprint from the thickness of 50 mm

Insulation of walls in ETICS system



1 - Adhesive mortar
2 - ISOPANEL
3 - Mechanical connector with steel core
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

Parameters:

ISOPANEL			25÷49 mm		50÷200 mm	
			MW-EN 13162-T3-DS(70,90)-CS(10)15-TR7,5-WS-WL(P)-MU1		MW-EN 13162-T3-DS(70,90)-CS(10)15-TR7, 5-WS-WL(P)-MU1	
Declared product properties according to PN-EN13162+A1:2015-04	Test method	Measure-ment unit	Tolerances			
			Codes for classes or levels	Values	Codes for classes or levels	Values
Length (dimensional tolerance class)	PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)		[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class) <100 mm	PN-EN 823	[mm/%]	T3	-3 mm /+10 %	T4	-3 mm /+5%
Thickness (dimensional tolerance class) ≥ 100 mm		[%/mm]		-3% /+ 10 mm		- 3% / + 5 mm
Rectangularity S_b	PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}	PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions	PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
		[mm]		± 1(change in flatness)		± 1(change in flatness)
Compressive stresses at 10% relative strain	PN-EN 826	[kPa]	CS(10)20	≥ 20	CS(10)20	≥ 20
Tensile strength perpendicular to frontal surfaces	PN-EN 1607	[kPa]	TR7,5	≥ 7.5	TR10	≥ 10
Level of short-term water absorption	PN-EN 1609	[kg/m²]	SS	≤ 1.0	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance	PN-EN 12087	[-]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Level of long-term water absorption at partial immersion	PN-EN 12086	[kg/m²]	MU1	≤ 1	MU1	≤ 1
Heat transfer coefficient λ_D	PN-EN 12667	[W.M.K.]	[-]	≤ 0.036	[-]	≤ 0.036
Reaction to fire	PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
30	40	50	60	80	100	120	140	150	160
Heat resistance R_D [m²K/W]									
0.80	1.10	1.35	1.65	2.20	2.75	3.30	3.85	4.15	4.40

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
30	1000	600	10	6.00	0.180	16+12	168.00	5.040
40			6	3.60	0.144	16+20	129.60	5.184
50			6	3.60	0.180	16	57.60	2.880
60			5	3.00	0.180	16	48.00	2.88
80			3	1.80	0.144	20	36.00	2.880
100			3	1.80	0.180	16	28.80	2.880
120			2	1.20	0.144	20	24.00	2.880
140			2	1.20	0.168	16	19.20	2.688
150			2	1.20	0.180	16	19.20	2.880
160			2	1.20	0.192	12+16	33.60	5.376

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFAS-P

Mineral wool slabs

External walls

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).
- ✓ for dilatation,
- ✓ staircases.

Parameters:

ISOFAS-P 20÷49 mm MW-EN 13162-T3-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	-3 mm /+10 %
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1(change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)20	≥ 20
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12087	[-]	WL(P)	≤ 3.0
Level of long-term water absorption at partial immersion		PN-EN 12086	[kg/m²]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.038
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

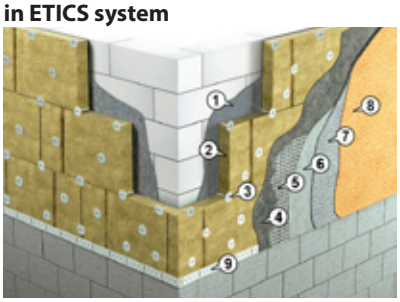
Thickness [mm]
20
Heat resistance R_D [m²K/W]
0.50

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
20	1000	600	15	9.00	0.180	16+12	252.00	5.040

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

Insulation of external walls in ETICS system



1 - Adhesive mortar
2 - ISOFAS-P
3 - Mechanical connector with steel core
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

ISOLOCK

Stone wool plug

External walls

Application:

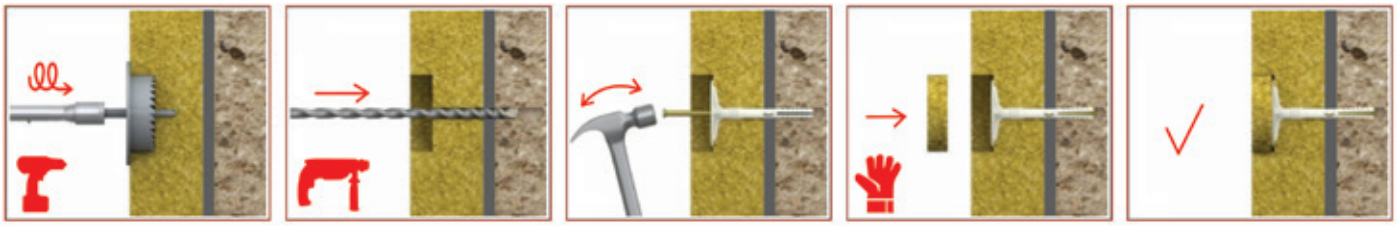
Our mineral wool plug prevents the formation of thermal bridges

Features and advantages:

- ✓ This thermal insulation plug reduces thermal permeability at anchorage points.
- ✓ It makes facade surfaces homogeneous and smooth.
- ✓ Cost-effective application, the use of a dowel with a thermal insulation plug reduces the required length of the dowel for a given thickness of insulation.
- ✓ Quick and easy product assembly.
- ✓ Heat conduction coefficient $\lambda < 0.040$ W/(m×K)

Assembly:

1. Use the cutter to make a hole in thermal insulation.
2. After fixing a façade dowel, insert the plug into the cut-out hole.



Dimensions and packaging

Number of plugs in a package	No. of packages per carton	No. of plugs per carton	No. of cartons per pallet	No. of plugs per pallet
[pcs]	[pcs]	[pcs]	[pcs]	[pcs]
200	10	2000	16	32000

ISOFAS-C1
ISOFAS-C2

Mineral wools slabs

External walls

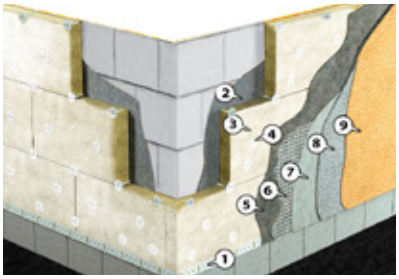
- **Isofas-C1; primed on one side**
- **Isofas-C2; primed on both sides**

Application:

For thermal, acoustic and fire insulation:

✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).

Insulation of external walls in ETICS system



1 - Plinth strip
2 - Adhesive mortar
3 - ISOFAS-C1/ISOFAS-C2
4 - Mechanical connector with steel core
5 - Reinforcing mortar
6 - Glass fiber mesh
7 - Plaster lining
8 - Mineral plaster
9 - Façade paint

Parameters:

ISOFAS-C1 ISOFAS-C2				50÷119 mm MW-EN 13162-T4-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1		120÷200 mm MW-EN 13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1	
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances			
				Codes for classes or tolerances	Values	Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%	T5	-
	≥ 100 mm		[%/mm]		- 3% / + 5 mm		- 1% / + 3 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)20	≥ 20	CS(10)30	≥ 30
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10	TR10	≥ 10
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
50	60	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]									
1.35	1.65	2.20	2.75	3.30	3.85	4.15	4.40	5.00	5.55

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Slab volume on the pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	600	6	3.60	0.180	16	57.60	2.880
60			5	3.00	0.180	16	48.00	2.880
80			3	1.80	0.144	20	36.00	2.880
100			3	1.80	0.180	16	28.80	2.880
120			2	1.20	0.144	20	24.00	2.880
140			2	1.20	0.168	16	19.20	2.688
150			2	1.20	0.180	16	19.20	2.880
160			2	1.20	0.192	12+16	33.60	5.376
180			2	1.20	0.216	12	14.40	2.592
200			2	1.20	0.240	12	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFAS-LM

Mineral wool fin panels

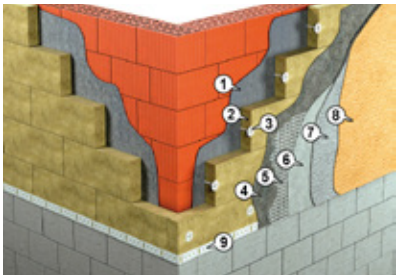
External walls

Application:

For thermal, acoustic and fire insulation:

- ✓ external walls insulated using the light-wet method, the so-called ETICS (External Thermal Insulation Composite System).

Insulation of external walls in ETICS system with the use of fins



1 - Adhesive mortar
2 - ISOFAS-LM
3 - Mechanical connector with steel core (optional)
4 - Reinforcing mortar
5 - Glass fiber mesh
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Plinth strip

Parameters:

ISOFAS-LM			50 ÷ 200 mm MW-EN 13162-T5-DS(70,90)-CS(10)60-TR90-WS-WL(P)-MU1		210 ÷ 300 mm MW-EN 13162-T5-DS(70,90)-CS(10)60-TR80-WS-WL(P)-MU1	
Declared product properties according to PN-EN13162+A1:2015-04	Test method	Measurement unit	Tolerances			
			Codes for classes or tolerances	Values	Codes for classes or tolerances	Values
Length (dimensional tolerance class)	PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)		[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class)	PN-EN 823	[mm/mm]	T5	-1 mm/+3 mm	T5	-
		[%/mm]		-1%/+3 mm		-1%/+3 mm
Rectangularity S_b	PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}	PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions	PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
		[mm]		± 1 (change in flatness)		± 1 (change in flatness)
Compressive stresses at 10% relative strain	PN-EN 826	[kPa]	CS(10)60	≥ 60	CS(10)60	≥ 60
Tensile strength perpendicular to frontal surfaces	PN-EN 1607	[kPa]	TR90	≥ 90	TR80	≥ 80
Level of short-term water absorption	PN-EN 1609	[kg/m²]	SS	≤ 1.0	SS	≤ 1.0
Level of long-term water absorption at partial immersion	PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance	PN-EN 12086	[-]	MU1	≤ 1	MU1	≤ 1
Heat transfer coefficient λ_D	PN-EN 12667	[W.M.K.]	[-]	≤ 0.041	[-]	≤ 0.041
Reaction to fire	PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]							
50	80	100	120	150	200	250	300
Heat resistance R_D [m²K/W]							
1.20	1.95	2.40	2.90	3.65	4.85	6.05	7.30

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1200	200	8	1.92	0.0960	60	115.20	5.760
80			6	1.44	0.1152	50	72.00	5.760
100			4	0.96	0.0960	60	57.60	5.760
120			4	0.96	0.1152	50	48.00	5.760
140			4	0.96	0.1344	40	38.40	5.376
150			4	0.96	0.1440	40	38.40	5.760
160			4	0.96	0.1536	35	33.60	5.376
180			4	0.96	0.1728	30	28.80	5.184
200			4	0.96	0.1920	30	28.80	5.760
240			2	0.48	0.1152	50	24.00	5.760
250			2	0.48	0.1200	50	24.00	6.000
260			2	0.48	0.1248	45	21.60	5.616
280			2	0.48	0.1344	45	21.60	6.048
300			2	0.48	0.1440	40	19.20	5.760

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOBELT-FS

Mineral wool fin slabs

Fire protection strips on facades

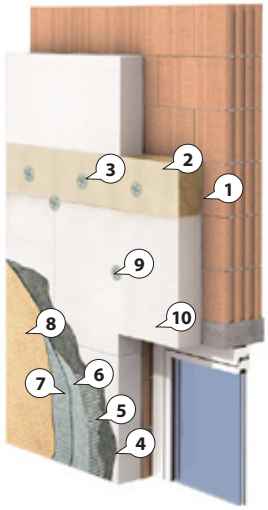
Application:

- ✓ fire protection strips for exterior walls insulated with the light-wet method (ETICS) using materials other than non-flammable.

Parameters:

ISOBELT-FS MW-EN 13162-T5-DS(70,90)-CS(10)15-TR7,5-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/mm]	T5	- 1mm/ + 3 mm
	≥ 100 mm		[%/mm]		- 1%/ + 3 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)15	≥ 15
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR7,5	≥ 7.5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.037
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Insulation of the wall in the ETICS system using polystyrene foam with mineral wool fire protection strips



1 - Adhesive mortar
2 - ISOBELT-FS
3 - Mechanical connector for wool with steel core
4 - Reinforced layer adhesive mortar
5 - Reinforcing mesh (fibreglass)
6 - Plaster lining
7 - Mineral plaster
8 - Façade paint
9 - Mechanical connector
10 - Polystyrene foam

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]								
50	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]								
1.35	2.15	2.70	3.20	3.75	4.05	4.30	4.85	5.40

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]	[pcs]	[m²]	[m³]
50	1000	200	8	1.6	0.08	36	57.6	2.88
80			6	1.2	0.096	30	36	2.88
100			4	0.8	0.08	36	28.8	2.88
120			4	0.8	0.096	30	24	2.88
140			4	0.8	0.112	24	19.2	2.688
150			4	0.8	0.120	24	19.2	2.88
160			4	0.8	0.128	18	14.4	2.304
180			4	0.8	0.144	18	14.4	2.592
200			4	0.8	0.16	18	14.4	2.88

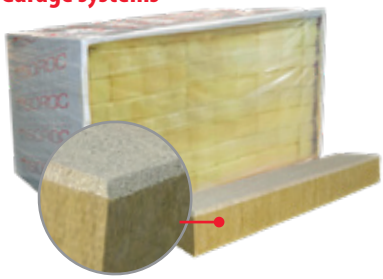
If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOLAM-G

chamfered, primed

Mineral wool fin slabs

Garage systems

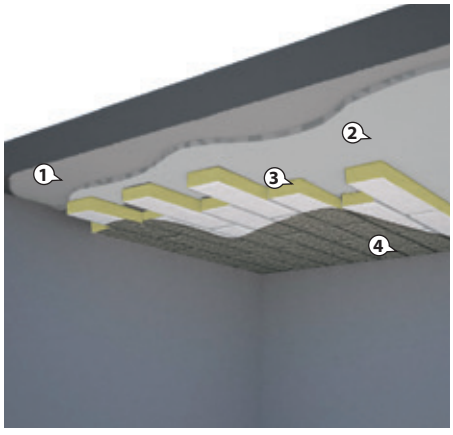


Application:

Chamfered, single-sided primed fin slabs for thermal, acoustic and fire insulation:

- ✓ ceilings over unheated rooms (e.g. ceilings of garages, cellars, etc.) insulated in the garage system (spray method)

Insulation of the ceiling over an unheated room



1 - Ceiling
2 - Adhesive mortar (applied to the wool)
3 - ISOLAM-G
4 - Plaster

Parameters:

ISOLAM-G MW-EN 13162-T5-DS(70,90)-CS(10)15-TR7,5-WS-WL(P)-MU1-AWi					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/mm]	T5	- 1mm/ + 3 mm
	≥ 100 mm		[%/mm]		- 1%/ + 3 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)15	≥ 15
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR7,5	≥ 7.5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level	50 - 79 mm	PN-EN ISO 354	[-]	AW 0.90	0.90
	80 - 99 mm			AW 0.95	0.95
	100 - 200 mm			AW 1.00	1.00
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.037
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]								
50	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]								
1.35	2.15	2.70	3.20	3.75	4.05	4.30	4.85	5.40

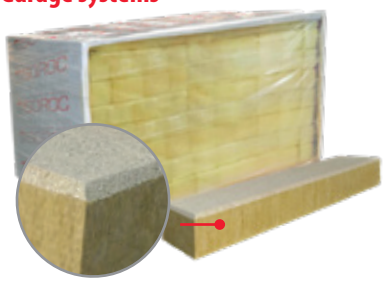
Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	1000	200	288	57.60	2.880
60			240	48.00	2.880
80			180	36.00	2.880
100			144	28.80	2.880
120			120	24.00	2.880
140			96	19.20	2.688
150			96	19.20	2.880
160			84	16.80	2.688
180			84	14.40	2.592
200			72	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFAS-LMG

chamfered, primed
Mineral wool fin slabs
Garage systems

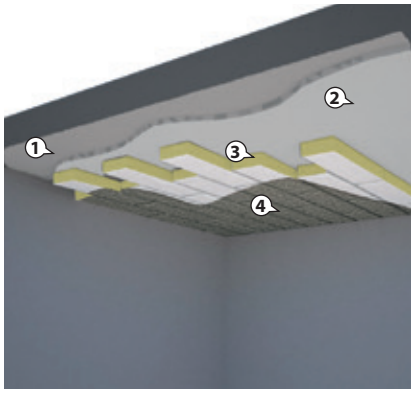


Application:

Chamfered, single-sided primed fin slabs for thermal, acoustic and fire insulation:

- ✓ ceilings over unheated rooms (e.g. ceilings of garages, basements, etc., insulated in the garage system (using the spraying method).

Insulation of the ceiling over an unheated room



1 - Ceiling
2 - Adhesive mortar (applied to the wool)
3 - ISOFAS-LMG
4 - Plaster

Parameters:

ISOFAS-LMG MW-EN 13162-T5-DS(70,90)-CS(Y)30-TR60-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/mm]	T5	-1 mm/+3 mm
	≥ 100 mm		[%/mm]		-1%/+3 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compression strength		PN-EN 826	[kPa]	CS(Y)30	≥ 30
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR60	≥ 60
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.041
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]								
50	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]								
1.20	1.95	2.40	2.90	3.40	3.65	3.90	4.35	4.85

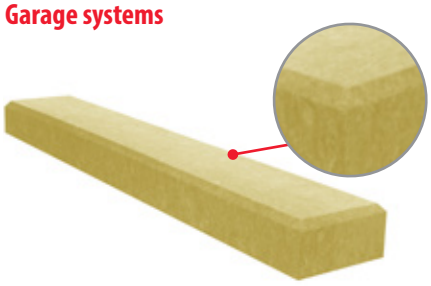
Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	1200	200	240	57.60	2.88
60			200	48.00	
80			150	36.00	
100			120	28.80	
120			100	24.00	
140			80	19.20	
150			80	19.20	
160			70	16.80	
180			70	14.40	
200			60	14.40	

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOLAM

chamfered
Mineral wool fin slabs
Garage systems

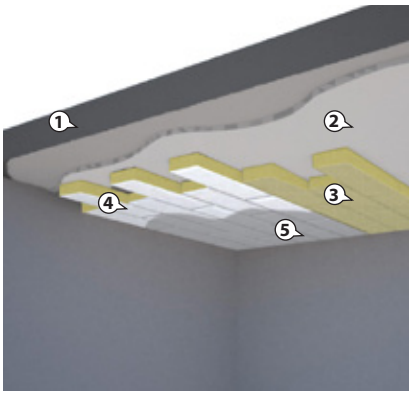


Application:

Chamfered, non-primed fin slabs
for thermal, acoustic and fire insulation:

- ✓ ceilings over unheated rooms (e.g. ceilings of garages, cellars, etc.) insulated in the garage system (spray method)

Insulation of the ceiling over an unheated room



1 - Ceiling
2 - Adhesive mortar
3 - ISOLAM
4 - Primer
5 - Spraying layer

Parameters:

ISOLAM MW-EN 13162-T5-DS(70,90)-CS(10)15-TR7,5-WS-WL(P)-MU1-AWi					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/mm]	T5	- 1mm/ + 3 mm
	≥ 100 mm		[%/mm]		- 1%/ + 3 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)15	≥ 15
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR7,5	≥ 7.5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level	50 - 79 mm	PN-EN ISO 354	[-]	AW 0.90	0.90
	80 - 99 mm			AW 0.95	0.95
	100 - 200 mm			AW 1.00	1.00
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.037
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]								
50	80	100	120	140	150	160	180	200
Heat resistance R_D [m²K/W]								
1.35	2.15	2.70	3.20	3.75	4.05	4.30	4.85	5.40

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	1000	200	288	57.60	2.880
80			180	36.00	2.880
100			144	28.80	2.880
120			120	24.00	2.880
140			96	19.20	2.688
150			96	19.20	2.880
160			84	16.80	2.688
180			84	14.40	2.592
200			72	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOFFIT

Mineral wool slabs with a glass veil

Ceilings

Application:

For thermal, acoustic and fire insulation:

- ✓ ceilings over unheated rooms (e.g. ceilings of garages, cellars, etc.).

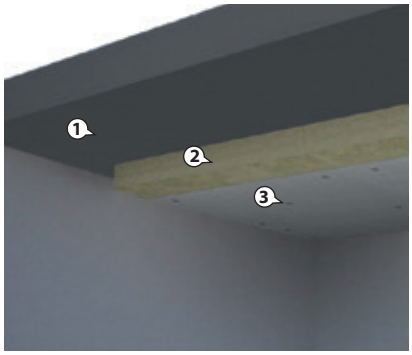
Parameters:

ISOFFIT d=50÷200 mm MW-EN 13162-T3-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1-AW1,00					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances	
				Codes for classes or levels	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/mm]	T3	- 3mm/ + 10%
	≥ 100 mm		[%/mm]		- 3%/ + 10 mm
Rectangularity S_b		PN-EN 824	[mm]	[-]	≤ 5
Flatness S_{max}		PN-EN 825	[mm]	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1,0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)10	≥ 10
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR5	≥ 5
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Weighted sound absorption coefficient level		PN-EN ISO 354	[-]	AW 1.00	1.00
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.035
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]									
50	60	70	80	100	120	140	150	180	200
Heat resistance R_D [m²K/W]									
1.40	1.70	2.00	2.25	2.85	3.40	4.00	4.25	5.10	5.70

Insulation of the ceiling over an unheated room



1 - Ceiling
2 - ISOFFIT
3 - Mechanical connectors*
*optional glue mounting

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	1000	600	96	57.60	2.880
60			80	48.00	2.880
70			64	38.40	2.600
80			60	36.00	2.880
100			48	28.80	2.880
120			40	24.00	2.880
140			32	19.20	2.688
150			32	19.20	2.880
180			24	14.40	2.592
200			24	14.40	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOSTEP

Mineral wool slabs

Floor insulation

Application:

For thermal, acoustic and fire insulation:

✓ floating floors on ceilings between levels

Parameters:

ISOSTEP				30 mm		40 ÷ 50 mm	
				MW-EN 13162-T4-DS(70,90)-CS(10/40)-WS-WL(P)-MU1-AFr5		MW-EN 13162–T7–DS(70,90)-CS(10/50)–WS–WL(P)–CP2-MU1–AFr5	
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances			
				Codes for classes or toler-ances	Values	Codes for classes or toler-ances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%	T7	[-]
	≥ 100 mm		[%/mm]		[-]		0/+10%
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10/40)	≥ 40	CS(10/50)	≥ 50
Level of short-term water absorption		PN-EN 1609	[kg/m^2]	SS	≤ 1.0	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m^2]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Compressibility		PN-EN 12431	mm	-	-	CP 2	≤ 2
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1	MU1	≤ 1
Airflow resistance		PN-EN 29053	[kPa*s/m^2]	AFr	≥ 5	AFr	≥ 5
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.040	[-]	≤ 0.40
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

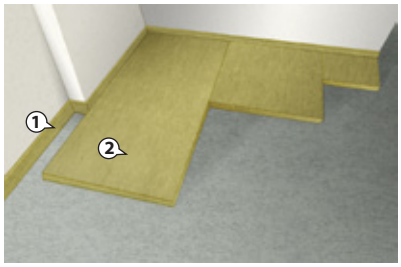
Thickness [mm]		
30	40	50
Heat resistance R_D [m^{2}K/W]		
0.75	1.00	1.25

Dimensions and packaging

Slab dimensions			Number of slabs in a package	Area covered with 1 package	Volume of 1 package	No. of packages on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width						
[mm]	[mm]	[mm]	[pcs]	[m^2]	[m^3]	[pcs]	[m^2]	[m^3]
30	1200	600	6	4.32	0.130	24	103.68	3.1104
40			4	2.88	0.115	24	69.12	2.7648
50			3	2.16	0.108	28	60.48	3.024

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

Thermal and acoustic insulation of floating floors



1 - Mineral wool circumferential expansion joint
2 - ISOSTEP

ISOPANEL-D

Mineral wool slabs

Two-layer system ISODACH

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated concrete or steel construction floors as a base layer in a two-layer ISODACH insulation system, including top layer ISOROOF-T/MW60 ISOROOF-TOP/ /ISODECK.

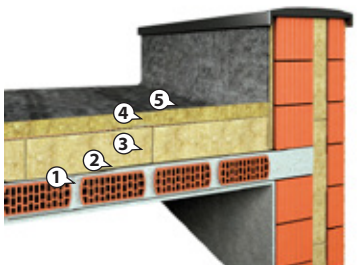
Parameters:

ISOPANEL-D MW-EN 13162-T4-DS(70,90)-CS(10)30-TR10-PL(5)250-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T4	- 3 mm / + 5%
	≥ 100 mm		[%/mm]		- 3% / + 5 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)30	≥ 30
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR10	≥ 10
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)250	≥ 250
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.036
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]				
50	80	110	120	160
Heat resistance R_D [m²K/W]				
1.35	2.20	3.05	3.30	4.40

Insulation of the flat roof in a two-layer system ISODACH



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOPANEL-D/ISOROOF-B/ ISOROOF-H/ ISOROOF
4 - ISOROOF-T/ISODECK/MW60 ISOROOF-TOP
5 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	2000	1200	24	57.60	2.880
60			20	48.00	2.880
80			15	36.00	2.880
100			12	28.80	2.880
110			11	26.40	2.904
120			10	24.00	2.880
140			8	19.20	2.688
150			8	19.20	2.880
160			7	16.80	2.688

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOROOF-T

Mineral wool slabs

Two-layer system ISODACH

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated concrete or steel construction roofs, as a top layer in a two-layer ISODACH insulation system including a subfloor,
- ✓ floor insulation under the floor subfloor.

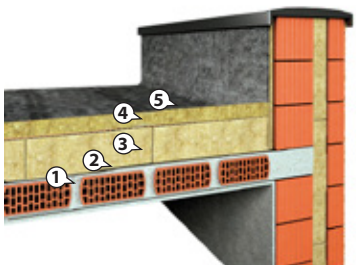
Parameters:

ISOROOF -T MW-EN 13162-T3-DS(70,90)-CS(10)60-TR15-PL(5)700-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)60	≥ 60
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)700	≥ 700
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.039
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]
40
Heat resistance R_D [m²K/W]
1.00

Insulation of the flat roof in a two-layer system ISODACH



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOPANEL-D/ISOROOF-B/ISOROOF-H/ISOROOF
4 - ISOROOF-T/ISODECK/MW60 ISOROOF-TOP
5 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
40	2000	1200	28	67.20	2.688

ISODECK

Mineral wool slabs

Two-layer system ISODACH

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated concrete or steel construction roofs, as a top layer in a two-layer ISODACH insulation system including a subfloor,
- ✓ floor insulation under the floor subfloor.

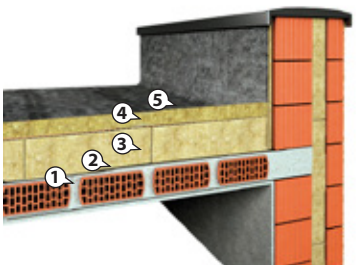
Parameters:

ISODECK MW-EN 13162-T3-DS(70,90)-CS(10)50-TR15-PL(5)450-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)50	≥ 50
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)450	≥ 450
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.040
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]
40
Heat resistance R_D [m²K/W]
1.00

Insulation of the flat roof in a two-layer system ISODACH



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOPANEL-D/ ISOROOF-B/ISOROOF-H/ISOROOF
4 - ISOROOF-T/ISODECK/MW60 ISOROOF-TOP
5 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
40	2000	1200	28	67.20	2.688

MW60 ISOROOF-TOP

Mineral wool slabs

Two-layer system ISODACH

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated concrete or steel construction roofs, as a top layer in a two-layer ISODACH insulation system including a ISOPANEL-D subfloor,
- ✓ floor insulation under the floor subfloor.

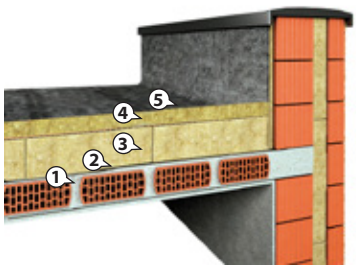
Parameters:

MW60 ISOROOF -TOP 30 ÷ 40mm MW-EN 13162-T5-DS(70,90)-CS(10)60-TR15-PL(5)600-WS-WL(P)-MU1-AFr5					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm]	T5	- 1 mm / +3 mm
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10/60)	≥ 60
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)600	≥ 600
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1.0
Airflow resistance		PN-EN 29053	[kPa*s/m²]	AFr	≥ 5
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.038
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]	
30	40
Heat resistance R_D [m²K/W]	
0.75	1.05

Insulation of the flat roof in a two-layer system ISODACH



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOPANEL-D/ ISOROOF-B/ISOROOF-H/ISOROOF
4 - ISOROOF-T/ISODECK/MW60 ISOROOF-TOP
5 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
30	2000	1200	36	86.40	2.592
40	2000	1200	28	67.20	2.688

ISOROOF-B

Mineral wool slabs

Flat roof - ISODACH MONO

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated steel or concrete construction floors in a single-layer system,
- ✓ in two-layer systems as a base and top coat,
- ✓ floors intended for use on concrete screeds.

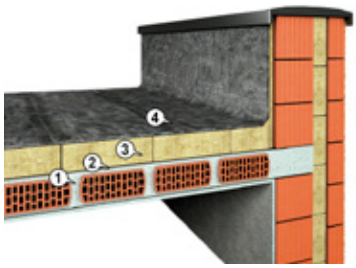
Parameters:

ISOROOF-B MW-EN 13162-T3-DS(70,90)-CS(10)40-TR7,5-PL(5)400-WS- WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	±1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
	≥ 100 mm		[%/mm]		- 3% / + 10 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)40	≥ 40
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR7,5	≥ 7.5
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)400	≥ 400
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.038
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]		
50	80	100
Heat resistance R_D [m²K/W]		
1.30	2.10	2.60

Insulation of a flat roof in a single layer system ISODACH MONO



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOROOF-B
4 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	2000	1200	24	57.60	2.880
60			20	48.00	2.880
80			15	36.00	2.880
100			12	28.80	2.880
110			11	26.40	2.904
120			10	24.00	2.880
140			8	19.20	2.688
150			8	19.20	2.880
160			7	16.80	2.688

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOROOF-H

Mineral wool slabs

Flat roof - ISODACH MONO

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated steel or concrete construction floors in a single-layer system,
- ✓ in two-layer systems as a base and top coat,
- ✓ floors intended for use on concrete screeds.

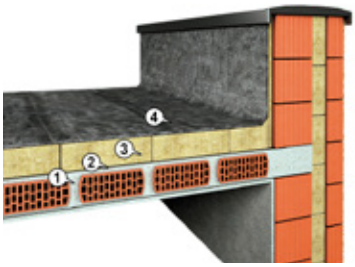
Parameters:

ISOROOF-H MW-EN 13162-T3-DS(70,90)-CS(10)50-TR15-PL(5)500-WS-WL(P)-MU1					
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measure-ment unit	Tolerances	
				Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	±1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%
	≥ 100 mm		[%/mm]		- 3% / + 10 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)50	≥ 50
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15
Point load level for 5 mm deformation		PN-EN 12430	[N]	EN(5)500	≥ 500
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0
Level of long-term water absorption at partial immersion		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0
Coefficient value of water vapor diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.038
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]		
50	80	100
Heat resistance R_D [m²K/W]		
1.30	2.10	2.60

Insulation of a flat roof in a single layer system ISODACH MONO



1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOROOF-H
4 - Roofing felt

Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	2000	1200	24	57.60	2.880
60			20	48.00	2.880
80			15	36.00	2.880
100			12	28.80	2.880
110			11	26.40	2.904
120			10	24.00	2.880
140			8	19.20	2.688

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

ISOROOF

Mineral wool slabs

Flat roof - ISODACH MONO

Application:

For thermal, acoustic and fire insulation:

- ✓ non-ventilated steel or concrete construction floors in a single-layer system,
- ✓ in two-layer systems as a base and top layer,
- ✓ floors intended for use on concrete screeds.

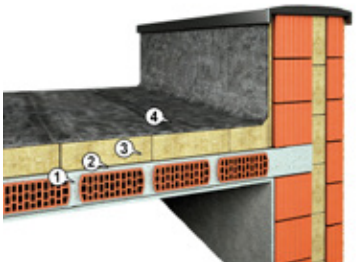
Parameters:

ISOROOF				50 ÷ 99 mm		100 ÷ 120 mm	
				MW-EN 13162-T3-DS(70,90)-CS(10)60-TR15-PL(5)550-WS-WL(P)-MU1		MW-EN 13162-T3-DS(70,90)-CS(10)60-TR15-PL(5)600-WS-WL(P)-MU1	
Declared product properties according to PN-EN13162+A1:2015-04		Test method	Measurement unit	Tolerances			
				Codes for classes or tolerances	Values	Codes for classes or tolerances	Values
Length (dimensional tolerance class)		PN-EN 822	[%]	[-]	± 2	[-]	± 2
Width (dimensional tolerance class)			[%]	[-]	± 1.5	[-]	± 1.5
Thickness (dimensional tolerance class)	<100 mm	PN-EN 823	[mm/%]	T3	- 3 mm / + 10%	T3	[-]
	≥ 100 mm		[%/mm]		[-]		-3%/+10 mm
Rectangularity S_b		PN-EN 824	mm/m	[-]	≤ 5	[-]	≤ 5
Flatness S_{max}		PN-EN 825	mm	[-]	≤ 6	[-]	≤ 6
Dimensional stability under specific temperature and relative humidity conditions		PN-EN 1604	[%]	DS(70,90)	± 1.0 (change in thickness, length and width)	DS(70,90)	± 1.0 (change in thickness, length and width)
			[mm]		± 1 (change in flatness)		± 1 (change in flatness)
Compressive stresses at 10% relative strain		PN-EN 826	[kPa]	CS(10)60	≥ 60	CS(10)60	≥ 60
Tensile strength perpendicular to frontal surfaces		PN-EN 1607	[kPa]	TR15	≥ 15	TR15	≥ 15
Point load level for 5 mm deformation		PN-EN 12430	[N]	PL(5)550	≥ 550	PL(5)600	≥ 600
Level of short-term water absorption		PN-EN 1609	[kg/m²]	SS	≤ 1.0	SS	≤ 1.0
Coefficient value of water vapor diffusion resistance		PN-EN 12087	[kg/m²]	WL(P)	≤ 3.0	WL(P)	≤ 3.0
Coefficient value of water vapour diffusion resistance		PN-EN 12086	[-]	MU1	≤ 1	MU1	≤ 1
Heat transfer coefficient λ_D		PN-EN 12667	[W.M.K.]	[-]	≤ 0.039	[-]	≤ 0.039
Reaction to fire		PN-EN 13501-1	From A to F	Euroclass	A1	Euroclass	A1

Declared thermal resistance R_D for individual product thicknesses

Thickness [mm]		
50	80	100
Heat resistance R_D [m²K/W]		
1.25	2.05	2.55

Insulation of the flat roof in a single-layer system ISODACH MONO



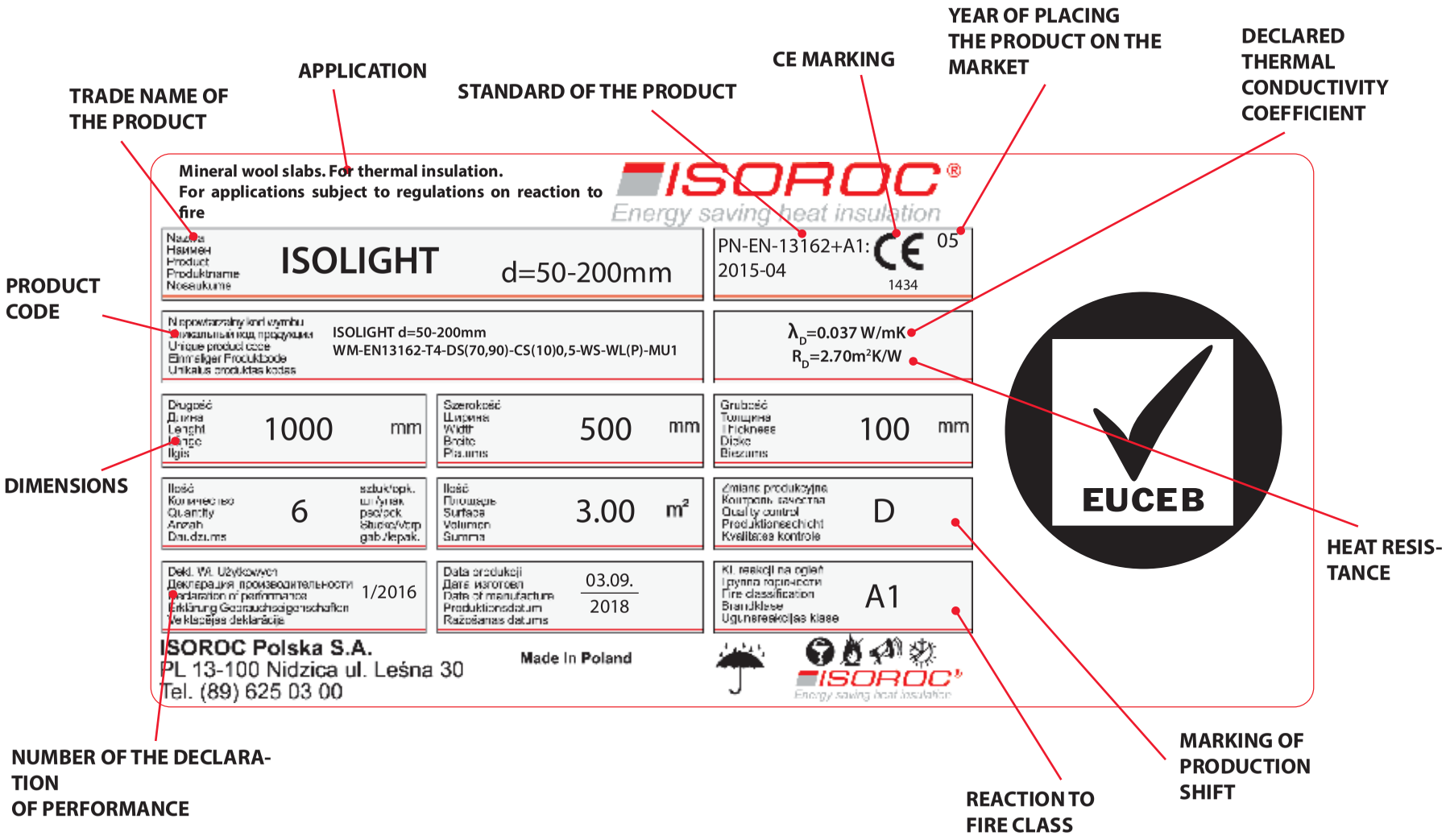
1 - Dense ribbed ceiling
2 - Vapor barrier
3 - ISOROOF
4 - Roofing felt

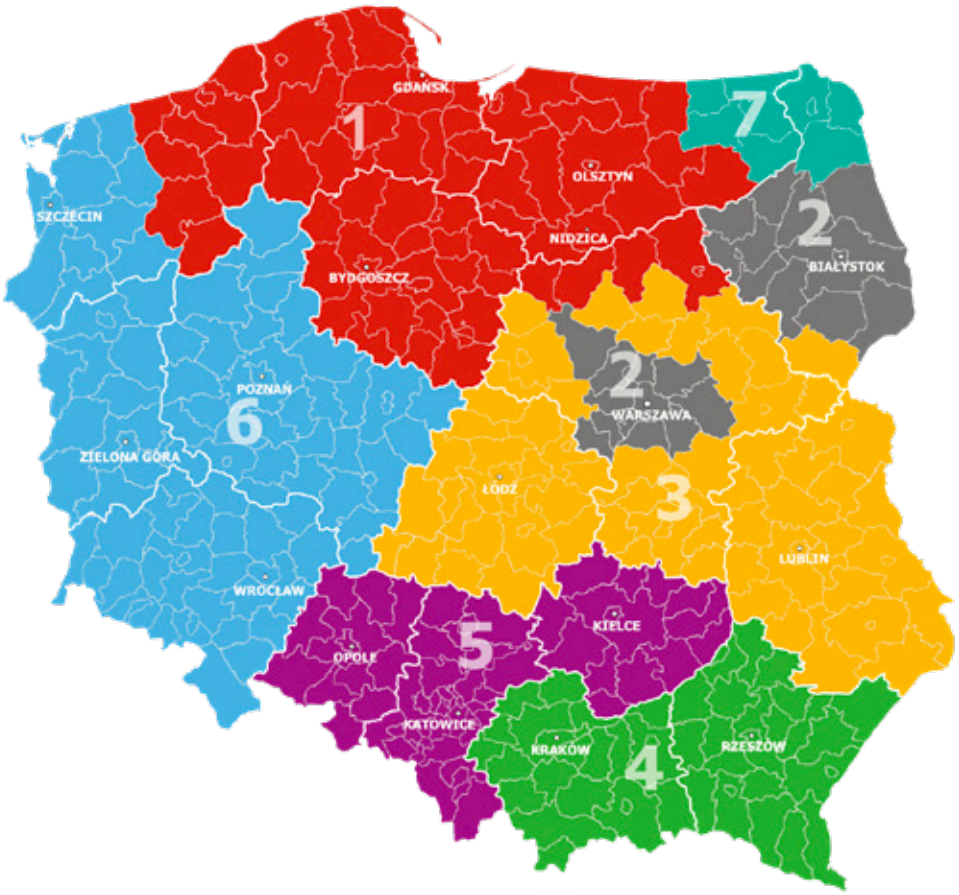
Dimensions and packaging

Slab dimensions			Number of slabs on the pallet	Coverage surface of slabs per pallet	Volume of slabs per pallet
Thickness	Length	Width			
[mm]	[mm]	[mm]	[pcs]	[m²]	[m³]
50	2000	1200	24	57.60	2.880
60			20	48.00	2.880
80			15	36.00	2.880
100			12	28.80	2.880
110			11	26.40	2.904
120			10	24.00	2.880

If you need other thicknesses than those mentioned above, please contact your Technical and Commercial Advisor.

LABEL MARKING





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