PETRALANA®
from nature

STONE WOOL

AUGUST 2020

PETRALANA.EU

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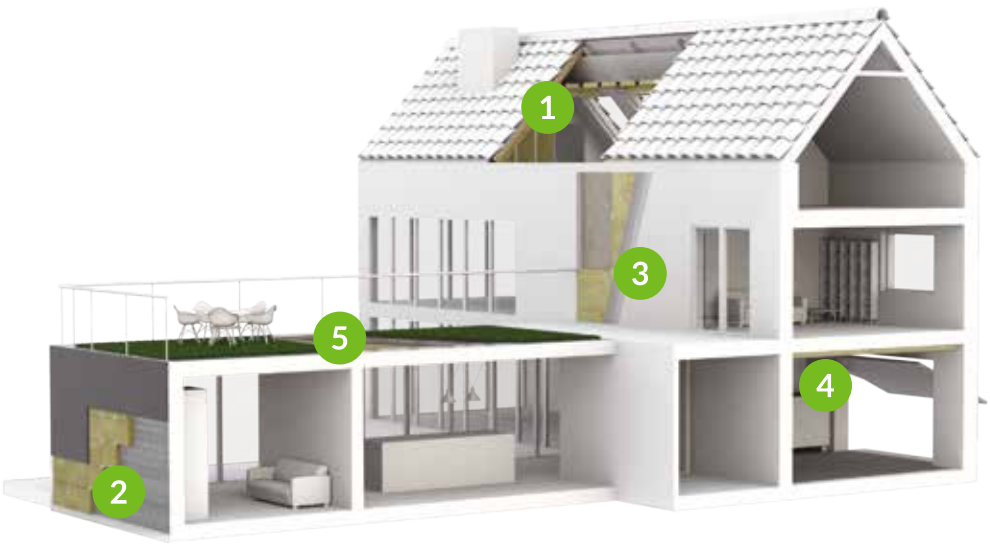


PETRALIGHT

+50% MAXIMUM COMPRESSION

up to 149.76 m3 IN DELIVERY ONE VEHICLE

PETRALIGHT is an insulating material, which enriches unique stone wool features with a new one excellent ability to compression. The packing technology optimization worked out by PETRALANA SA has improved compression process. As a result there is up to 50% more insulating material per package in relation to standard capacity. During unpacking process the stone wool PETRALIGHT product reverts to its declared thickness maintaining all excellent features of thermal, sound and fireproof insulation. Significant increase of compression. PETRALIGHT guarantees shipment at small expense and saving space while storing products.

INSULATION OF ATTICS AND PARTITION WALLS

PETRALIGHT

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for thermal, acoustic and fire insulation of buildings.

PRODUCT CODE
PETRALIGHT MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1 (d=40-99mm) PETRALIGHT MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AW0,95 (d=100-250mm)

APPLICATION:

usable and unusable lofts

ventilated flat roofs

suspended ceilings

floors between joists

partition walls

curtain walls with frame structures

fill-in a frame structures including

elevations (cassettes, cavity walls, curtain walls, panels, sidings)

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T2	-5mm/+15%	[mm/%]
		-5%/+15mm	[%/mm]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Sound absorption index (100-200mm), AW	0,95 (d=100-250mm)		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	15	9,00	0,450	24	216,00	10,800
		75	2,10	10	6,00	0,450	24	144,00	10,800
		100	2,85	8	4,80	0,480	24	115,20	11,520
		120	3,40	6	3,60	0,432	24	86,40	10,368
		150	4,25	5	3,00	0,450	24	72,00	10,800
		180	5,10	4	2,40	0,432	24	57,60	10,368
		200	5,70	4	2,40	0,480	24	57,60	11,520

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF ATTICS AND PARTITION WALLS

PETRALIGHT-H

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for thermal, acoustic and fire insulation of buildings.

PRODUCT CODE
PETRALIGHT-H MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

APPLICATION:

usable and unusable lofts

ventilated flat roofs

suspended ceilings

partition walls

curtain walls with frame structures

floors between joists

fill-in a frame structures including

elevations (cassettes, cavity walls, curtain walls, panels, sidings)

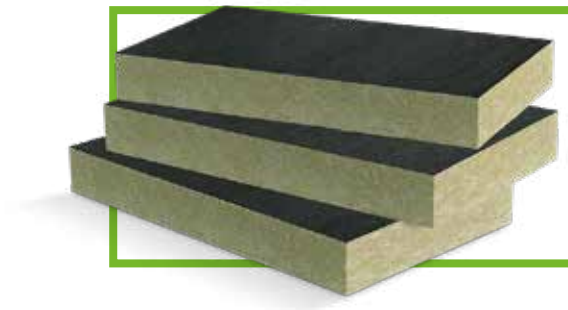
DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**40**	1,10	10	6,00	0,240	24	144,00	5,760
		50	1,40	10	6,00	0,300	20	120,00	6,000
		75	2,10	8	4,80	0,360	16	76,80	5,760
		100	2,85	5	3,00	0,300	20	60,00	6,000
		120	3,40	4	2,40	0,288	20	48,00	5,760
		150	4,25	4	2,40	0,360	16	38,40	5,760
		200	5,70	3	1,80	0,360	16	28,80	5,760

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.



PETRAVENT-LV

$\lambda_D \leq 0{,}034$[W/mK]

Stone wool panels with black fibreglass cover on one side for internal and external thermal, acoustic and fire insulation of civil structures.

PRODUCT CODE

PETRAVENT-LV MW-EN13162-T5-CS(10)0,5-WS-MU1

APPLICATION:

exterior walls with light-dry thermal insulation made of panels (eg metal sheets, wood cladding, siding, cement or composite cladding)

exterior walls with stone or glass cladding

exterior and interior stud walls(wood and metal framework)

curtain walls

cavity walls

hollow foundation walls

dropped ceilings

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,034		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**100**	2,90	5	3,00	0,300	20	60,00	6,000
		120	3,50	5	3,00	0,360	16	48,00	5,760
		140	4,10	4	2,40	0,336	16	38,40	5,376
		150	4,40	4	2,40	0,360	16	38,40	5,760
		160	4,70	3	1,80	0,288	20	36,00	5,760
		180	5,25	3	1,80	0,324	16	28,80	5,184
		200	5,85	3	1,80	0,360	16	28,80	5,760
		220	6,45	2	1,20	0,264	20	24,00	5,280
		250	7,35	2	1,20	0,300	20	24,00	6,000

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF VENTILATED FACADES

PETRAVENT-L

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for external and internal building objects for thermal, acoustic and fire insulation.

PRODUCT CODE

PETRAVENT-L MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	10	6,00	0,300	20	120,00	6,000
		80	2,25	6	3,60	0,288	20	72,00	5,760
		100	2,85	5	3,00	0,300	20	60,00	6,000
		120	3,40	5	3,00	0,360	16	48,00	5,760
		140	4,00	4	2,40	0,336	16	38,40	5,367
		150	4,25	4	2,40	0,360	16	38,40	5,760
		160	4,55	3	1,80	0,288	20	36,00	5,760
		180	5,10	3	1,80	0,324	16	28,80	5,184
		200	5,70	3	1,80	0,360	16	28,80	5,760
		220	6,25	2	1,20	0,264	20	24,00	5,280

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAVENT

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for external and internal building objects for thermal, acoustic and fire insulation.

PRODUCT CODE

PETRAVENT MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90) DS	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880
		200	5,70	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF VENTILATED FACADES

PETRAVENT-V

$\lambda_D \leq 0{,}035$[W/mK]

Stone wool panels with black fibreglass cover on one side for internal and external thermal, acoustic and fire insulation of civil structures.

PRODUCT CODE

PETRAVENT-V MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

suspended ceilings

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880
		200	5,70	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAVENT-WV

$\lambda_D \leq 0{,}035$[W/mK]

Stone wool panels with white fibreglass cover on one side for internal and external thermal, acoustic and fire insulation of civil structures.

PRODUCT CODE

PETRAVENT-WV MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

suspended ceilings

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)0,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE	PACKAGES			PALLETS		
Length	Width	**Thickness**	R_D	No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880
		200	5,70	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF VENTILATED FACADES

PETRAVENT-H

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for external and internal building objects for thermal, acoustic and fire insulation.

PRODUCT CODE
PETRAVENT-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

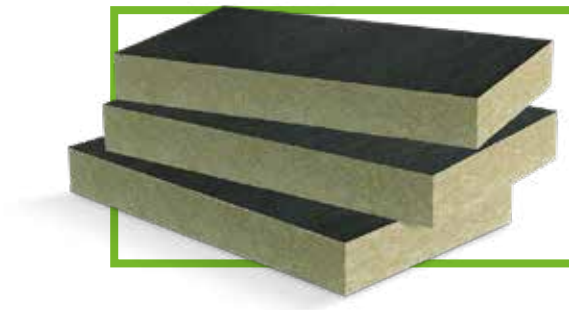
DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)10		[kPa]
Tensile strength perpendicular to faces,TR	≥7,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880
		200	5,70	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.



PETRAVENT-HV

$\lambda_D \leq 0{,}035$[W/mK]

Stone wool panels with black fibreglass cover on one side for internal and external thermal, acoustic and fire insulation of civil structures.

PRODUCT CODE

PETRAVENT-HV MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1

APPLICATION:

facades insulated by light-dry method (eg sheet, cladding board, siding, lining cement and composite)

exterior walls with elevation of stone or glass

skeletal exterior and interior walls (on a wooden and metal structure)

partition walls

curtain walls

cavity walls

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)10		[kPa]
Tensile strength perpendicular to faces,TR	≥7,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880
		200	5,70	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF NON-VENTILATED FACADES

PETRAFAS

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for thermal, acoustic and fire insulation of buildings.

PRODUCT CODE

PETRAFAS MW-EN13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1(d=30-99)
PETRAFAS MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1(d=100-220)
PETRAFAS MW-EN13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1(d=221-250)

APPLICATION:

exterior and interior walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

floors above garages, passages and basements

fire insulation of attics (reaction to fire classification A1)

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)20 (30-99) CS(10)30 (100-220) CS(10)20 (221-250)		[kPa]
Tensile strength perpendicular to faces,TR	≥10,0		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]	[szt.]	[m²]	[m³]
1000	600	**50**	1,40	6	3,60	0,180	16	57,60	2,880
		60	1,70	5	3,00	0,180	16	48,00	2,880
		80	2,25	5	3,00	0,240	12	36,00	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		140	4,00	2	1,20	0,168	16	19,20	2,688
		150	4,25	2	1,20	0,180	16	19,20	2,880
		160	4,55	2	1,20	0,192	12+16	33,60	5,376
		180	5,10	2	1,20	0,216	12	14,40	2,592
		200	5,70	2	1,20	0,240	12	14,40	2,880
		220	6,25	1	0,60	0,132	20	12,00	2,640
		240	6,85	1	0,60	0,144	20	12,00	2,880
		250	7,10	1	0,60	0,150	16+20	21,60	5,400

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAFAS-34

NEW

$\lambda_D \leq 0{,}034$[W/mK]

Slabs of stone wool for thermal, acoustic and fire insulation of buildings.

PRODUCT CODE

PETRAFAS 34 MW-EN13162-T5-CS(10)20-TR7,5-WS-WL(P)-MU1

APPLICATION:

exterior and interior walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

floors above garages, passages and basements

fire insulation of attics (reaction to fire classification A1)

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,034		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Compressive stress at 10% deformation, CS(10)	CS(10)20		[kPa]
Tensile strength perpendicular to faces,TR	≥7,5		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]	[szt.]	[m²]	[m³]
1000	600	**50**	1,45	6	3,60	0,180	16	57,60	2,880
		60	1,75	5	3,00	0,180	16	48,00	2,880
		80	2,35	5	3,00	0,240	12	36,00	2,880
		100	2,90	3	1,80	0,180	16	28,80	2,880
		120	3,50	2	1,20	0,144	20	24,00	2,880
		140	4,10	2	1,20	0,168	16	19,20	2,688
		150	4,40	2	1,20	0,180	16	19,20	2,880
		160	4,70	2	1,20	0,192	12+16	33,60	5,376
		180	5,25	2	1,20	0,216	12	14,40	2,592
		200	5,85	2	1,20	0,240	12	14,40	2,880
		220	6,45	1	0,60	0,132	20	12,00	2,640
		240	7,05	1	0,60	0,144	20	12,00	2,880
		250	7,35	1	0,60	0,150	16+20	21,60	5,400

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF NON-VENTILATED FACADES

PETRAFAS-M

$\lambda_D \leq 0{,}035$[W/mK]

Slabs of stone wool for internal and external building objects for thermal, acoustic and fire insulation.

PRODUCT CODE
PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1(d=20-49mm)
PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR15-WS-WL(P)-MU1(d=50-99mm)
PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1(d=100-190mm)

APPLICATION:

exterior and partition walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

insulation of jambs

fire insulation of attics

acoustic and fire insulation of staircases (reaction to fire classification A1)

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)30 (20-99mm) CS(10)40 (100-190mm)		[kPa]
Tensile strength perpendicular to faces,TR	≥10,0 (20-49mm) ≥15,0 (50-190mm)		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**30**	0,85	10	6,00	0,180	16	96,00	2,880
		40	1,10	6	3,60	0,144	20	72,00	2,880
		50	1,40	6	3,60	0,180	16	57,60	2,880
		100	2,85	3	1,80	0,180	16	28,80	2,880
		120	3,40	2	1,20	0,144	20	24,00	2,880
		150	4,25	2	1,20	0,180	16	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAFAS-H

$\lambda_D \leq 0{,}037$[W/mK]

Slabs of stone wool for internal and external building objects for thermal, acoustic and fire insulation.

PRODUCT CODE

PETRAFAS-H MW-EN13162-T5-DS(70,90)-CS(10)40-TR10-WS-WL(P)-MU1 (d=20-49mm)
PETRAFAS-H MW-EN13162-T5-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1 (d=50-150mm)

APPLICATION:

exterior and partition walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

insulation of jambs

fire insulation of attics

acoustic and fire insulationof staircases (reaction to fire classification A1)

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)40		[kPa]
Tensile strength perpendicular to faces,TR	≥10,0 (20-49mm) ≥15,0 (50-150mm)		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**30**	0,80	10	6,00	0,180	16	96,00	2,880
		40	1,05	6	3,60	0,144	20	72,00	2,880
		50	1,35	6	3,60	0,180	16	57,60	2,880
		100	2,70	3	1,80	0,180	16	28,80	2,880
		150	4,05	2	1,20	0,180	16	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF NON-VENTILATED FACADES

PETRALAMELA

$\lambda_D \leq 0{,}040$[W/mK]

Stone wool panels with lamella fibre structure for internal and external thermal, acoustic and fire insulation of civil structures

PRODUCT CODE

PETRALAMELA MW-EN13162-T5-DS(70,90)-CS(10/Y)50-TR80-WS-WL(P)-MU1

APPLICATION:

exterior and interior walls with ETICS insulation

monolithic, prefabricated and masonry exterior walls

arched walls

ceilings over garages, passages and basements

fire insulation of parapet walls (product has A1 reaction to fire classification)

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,040		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)50		[kPa]
Tensile strength perpendicular to faces,TR	≥80,0		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]	[szt.]	[m²]	[m³]
1200	200	**50**	1,25	8	1,92	0,096	30	57,60	2,880
		80	2,00	6	1,44	0,115	25	36,00	2,880
		100	2,50	4	0,96	0,096	30	28,80	2,880
		120	3,00	4	0,96	0,115	25	24,00	2,880
		140	3,50	4	0,96	0,134	20	19,20	2,688
		150	3,75	4	0,96	0,144	20	19,20	2,880
		160	4,00	4	0,96	0,154	15	14,40	2,304
		180	4,50	4	0,96	0,173	15	14,40	2,592
		200	5,00	4	0,96	0,192	15	14,40	2,880
		220	5,50	4	0,96	0,211	10	9,60	2,112
		240	6,00	4	0,96	0,230	10	9,60	2,304
		250	6,25	4	0,96	0,240	10	9,60	2,400
		300	7,50	2	0,48	0,144	20	9,60	2,880
		350	8,75	2	0,48	0,168	15	7,20	2,520

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRALAMELA-F

$\lambda_D \leq 0{,}037$[W/mK]

Bevelled plates of stone wool for internal and external thermal, acoustic and fire insulation of civil structures

PRODUCT CODE

PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1

APPLICATION:

ceilings above garages, passages and basements

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)20		[kPa]
Tensile strength perpendicular to faces,TR	≥20,0		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
1200	200	**50**	1,35	240	57,60	2,880
		60	1,60	200	48,00	2,880
		80	2,15	150	36,00	2,880
		100	2,70	120	28,80	2,880
		120	3,20	100	24,00	2,880
		140	3,75	80	19,20	2,688
		150	4,05	80	19,20	2,880
		160	4,30	70	16,80	2,688
		180	4,85	60	14,40	2,592
		200	5,55	60	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF CEILINGS

PETRALAMELA-FG

$\lambda_D \leq 0{,}037$[W/mK]

Bevelled, one-side coated plates of stone wool for thermal, acoustic and fire insulation

PRODUCT CODE

PETRALAMELA-FG MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1

APPLICATION:

ceilings above garages, passages and basements.

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)20		[kPa]
Tensile strength perpendicular to faces,TR	≥20,0		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
1200	200	**50**	1,35	240	57,60	2,880
		60	1,60	200	48,00	2,880
		80	2,15	150	36,00	2,880
		100	2,70	120	28,80	2,880
		120	3,20	100	24,00	2,880
		140	3,75	80	19,20	2,688
		150	4,05	80	19,20	2,880
		160	4,30	70	16,80	2,688
		180	4,85	60	14,40	2,592
		200	5,55	60	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRATOP

NEW

$\lambda_D \leq 0{,}034$[W/mK]

Stone wool plates with a bright veil for thermal, sound absorption and fire protection

PRODUCT CODE

PETRATOP MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1

APPLICATION:

ceilings above garages, passages and basements

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,034		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)10		[kPa]
Tensile strength perpendicular to faces,TR	≥5,0		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETS		
Length	Width	**Thickness**		No. of plates in a package	Cover surface of a package	Volume of a package	No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]	[szt.]	[m^2]	[m^3]
1000	600	**60**	1,75	5	3,00	0,180	16	48,00	2,880
		80	2,35	5	3,00	0,240	12	36,00	2,880
		100	2,90	3	1,80	0,180	16	28,80	2,880
		120	3,50	2	1,20	0,144	20	24,00	2,880
		150	4,40	2	1,20	0,180	16	19,20	2,880
		200	5,85	2	1,20	0,240	12	14,40	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF FLAT ROOFS

PETRAROOF-B

$\lambda_D \leq 0{,}036$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE

PETRAROOF-B MW-EN13162-T5-CS(10)30-PL(5)250-WS-MU1(d=20-29mm)
PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)30-PL(5)250-WS-WL(P)-MU1(d=30-200mm)
PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)20-PL(5)200-WS-WL(P)-MU1(d=201-250mm)

APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,036		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0 (30-250mm)		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)30 (20-200mm) CS(10)20 (201-250mm)		[kPa]
Point load at 5mm deformation, PL(5)	≥250,0(20-200mm) ≥200,0 (201-250mm		[N]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-250mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
2000	1200	**50**	1,35	24	57,60	2,880
		60	1,65	20	48,00	2,880
		100	2,75	12	28,80	2,880
		110	3,05	11	26,40	2,904
		120	3,30	10	24,00	2,880
		150	4,15	8	19,20	2,880
		160	4,40	7	16,80	2,688
		200	5,55	6	14,40	2,880
		210	5,80	5	12,00	2,520

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAROOF-D

$\lambda_D \leq 0{,}037$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE

PETRAROOF-D MW-EN13162-T5-CS(10)40-PL(5)500-WS-MU1(d=20-29mm)
PETRAROOF-D MW-EN13162-T5-DS(70,90)-CS(10)40-PL(5)500-WS-WL(P)-MU1(d=30-150mm)
PETRAROOF-D MW-EN13162-T5-CS(10)40-PL(5)500-WS-MU1(d=151-190mm)

APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0 (30-150mm)		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)40		[kPa]
Point load at 5mm deformation, PL(5)	≥500,0		[N]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-150mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**50**	1,35	24	57,60	2,880
		80	2,15	15	36,00	2,880
		100	2,70	12	28,80	2,880
		120	3,20	10	24,00	2,880
		150	4,05	8	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF FLAT ROOFS

PETRAROOF

$\lambda_D \leq 0,037$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE

PETRAROOF MW-EN13162-T5-CS(10)50-PL(5)600-WS-MU1(d=20-29mm)
PETRAROOF MW-EN13162-T5-DS(70,90)-CS(10)50-PL(5)600-WS-WL(P)-MU1(d=30-150mm)
PETRAROOF MW-EN13162-T5-CS(10)50-PL(5)600-WS-MU1(d=151-190mm)

APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0 (30-150mm)		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)50		[kPa]
Point load at 5mm deformation, PL(5)	≥600,0		[N]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-150mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**30**	0,80	40	96,00	2,880
		40	1,05	30	72,00	2,880
		50	1,35	24	57,60	2,880
		60	1,60	20	48,00	2,880
		80	2,15	15	36,00	2,880
		100	2,70	12	28,80	2,880
		120	3,20	10	24,00	2,880
		150	4,05	8	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAROOF-H

$\lambda_D \leq 0{,}039$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAROOF-H MW-EN13162-T5-DS(70,90)-CS(10)60-PL(5)550-WS-WL(P)-MU1

APPLICATION:

flat roof insulation with stone wool in single and double layers

unventilated flat roofs insulation with high strength

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,039		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)60		[kPa]
Point load at 5mm deformation, PL(5)	≥550,0		[N]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
2000	1200	**30**	0,75	40	96,00	2,880
		40	1,00	30	72,00	2,880
		50	1,25	24	57,60	2,880
		100	2,55	12	28,80	2,880
		150	3,80	8	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION OF FLAT ROOFS

PETRAROOF-R

$\lambda_D \leq 0{,}039$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAROOF-R MW-EN13162-T5-DS(70,90)-CS(10)70-WS-WL(P)-MU1

APPLICATION:

insulation of non-ventilated roofsand flat roofs by stone woolin a single or double layer

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,039		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)70		[kPa]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**30**	0,75	40	96,00	2,880
		40	1,00	30	72,00	2,880
		50	1,25	24	57,60	2,880
		100	2,55	12	28,80	2,880
		150	3,80	8	19,20	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAROOF-T

$\lambda_D \leq 0{,}039$[W/mK]

Stone wool panels for thermal, acoustic and fire insulation

PRODUCT CODE

PETRAROOF-T MW-EN13162-T5-CS(10)80-PL(5)850-WS-MU1(d=20-29mm)
PETRAROOF-T MW-EN13162-T4-DS(70,90)-CS(10)80-PL(5)900-WS-WL(P)-MU1 (d=30-55mm)

APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,039		[W/mK]
Class for thickness tolerances,T	T5 (20-29mm)	-1mm/+3mm (20-29mm) -3mm/+5mm (30-55mm)	[mm]
	T4 (30-55mm)	-1%/+3mm (20-29mm) -3%/+5mm (30-55mm)	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0 (30-55mm)		[%]
Compressive stress at 10% deformation, CS(10)	CS(10)80		[kPa]
Point load at 5mm deformation, PL(5)	≥850,0 (20-29mm) ≥900,0 (30-55mm)		[N]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-55mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
2000	1200	**20**	0,50	56	134,40	2,688
		30	0,75	40	96,00	2,880
		40	1,00	30	72,00	2,880
		50	1,25	24	57,60	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION FOR INDUSTRY

PETRAPANEL 80

$\lambda_D \leq 0{,}035$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAPANEL 80 MW-EN13162-T5-DS(70,90)-WS-WL(P)-MU1

APPLICATION:

- acoustic barriers
- flue duct
- furnaces and boilers for solid fuels
- doors, garage gates and other fire insulation elements
- lift shafts
- hvac duct

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,035		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0		[%]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**30**	0,85	40	96,00	2,880
		50	1,40	24	57,60	2,880
		100	2,85	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAPANEL 100

$\lambda_D \leq 0{,}036$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE

PETRAPANEL 100 MW-EN13162-T5-WS-MU1 (d=20-29mm)
PETRAPANEL 100 MW-EN13162-T5-DS(70,90)-WS-WL(P)-MU1 (d=30-250mm)

APPLICATION:

acoustic barriers

flue duct

furnaces and boilers for solid fuels

doors, garage gates and other fire insulation elements

lift shafts

hvac duct

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	≤0,036		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70˚C and 90% humidity, DS(70,90)	≤1,0 (30-250mm)		[%]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-250mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
2000	1200	**30**	0,80	40	96,00	2,880
		50	1,35	24	57,60	2,880
		100	2,75	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION FOR INDUSTRY

PETRAPANEL 120

$\lambda_D \leq 0{,}037$[W/mK]

Stone wool plates for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAPANEL 120 MW-EN13162-T5-WS-MU1 (d=20-29mm) PETRAPANEL 120 MW-EN13162-T5-DS(70,90)-WS-WL(P)-MU1 (d=30-150mm) PETRAPANEL 120 MW-EN13162-T5-WS-MU1 (d=151-190mm)

APPLICATION:

acoustic barriers

flue duct

furnaces and boilers for solid fuels

doors, garage gates and other fire insulation elements

lift shafts

hvac duct

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,037		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	≤1,0 (30-150mm)		[%]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0 (30-150mm)		[kg/m2]
Water vapour transmission , MU	MU1		[-]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**30**	0,80	40	96,00	2,880
		50	1,35	24	57,60	2,880
		100	2,70	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAPANEL 80BV

$\lambda_D \leq 0{,}036$[W/mK]

Stone wool panels with black fibreglass cover on one side for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAPANEL 80BV MW-EN13162-T5-WS-WL(P)

APPLICATION:

acoustic barriers
composite panels
ventilated facades
hvac duct
device housings

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,036		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**40**	1,10	30	72,00	2,880
		50	1,35	24	57,60	2,880
		80	2,20	15	36,00	2,880
		100	2,75	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.
Product available with white veil.

DELIVERY:
Maximum number of pallets in full truck load.

INSULATION FOR INDUSTRY

PETRAPANEL 100BV

$\lambda_D \leq 0{,}036$[W/mK]

Stone wool panels with black fibreglass cover on one side for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAPANEL 100BV MW-EN13162-T5-WS-WL(P)

APPLICATION:

acoustic barriers
composite panels
ventilated facades
hvac duct
device housings

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,036		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m²K/W]	[szt.]	[m²]	[m³]
2000	1200	**40**	1,10	30	72,00	2,880
		50	1,35	24	57,60	2,880
		80	2,20	15	36,00	2,880
		100	2,75	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.
Product available with white veil.

DELIVERY:
Maximum number of pallets in full truck load.

PETRAPANEL 120BV

$\lambda_D \leq 0{,}036$[W/mK]

Stone wool panels with black fibreglass cover on one side for thermal, acoustic and fire insulation

PRODUCT CODE
PETRAPANEL 120BV MW-EN13162-T5-WS-WL(P)

APPLICATION:

acoustic barriers
composite panels
ventilated facades
hvac duct
device housings

DECLARED PARAMETERS			
Declared thermal conductivity coefficient, λ_D	≤0,036		[W/mK]
Class for thickness tolerances,T	T5	-1mm/+3mm	[mm]
		-1%/+3mm	[%/mm]
Short time water absorption, WS	≤1,0		[kg/m2]
Long time water absorption, WL(P)	≤3,0		[kg/m2]
Reaction to fire, RtF	A1		Euroclass

DIMENSIONS,THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETS		
Length	Width	**Thickness**		No. of packages on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	**[mm]**	[m^2K/W]	[szt.]	[m^2]	[m^3]
2000	1200	**40**	1,10	30	72,00	2,880
		50	1,35	24	57,60	2,880
		80	2,20	15	36,00	2,880
		100	2,75	12	28,80	2,880

ADDITIONAL INFORMATION:
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.
Product available with white veil.

DELIVERY:
Maximum number of pallets in full truck load.

GENERAL TERMS OF DELIVERY

§ 1

ORDERS AND RULES OF THEIR FULFILMEN

1. Petralana S.A. with their seat in Katowice (Petralana) sells its products to business partners (Distributors) based on acknowledged orders, according to the rules resulting from the "General Terms of Delivery" (GTD), accessible on the Internet site of Petralana at the address www.petralana.eu and as an annex to partner agreements as well as on the basis of other documents specifying the terms of cooperation. The catalogue of Petralana's products (standard products) is presented in hardcopy form and on the Internet sites of Petralana S.A. at the address www.petralana.eu.
2. Fulfilment of orders for non-standard products requires each time an individual agreement with Petralana, which is entitled to deny fulfilment of an order for non-standard products.
3. Placing of an order is equal to acceptation of the GTD.
4. In case when Petralana and Distributor remain in constant business relations, acceptation of the GTD when placing the first order has an effect in the form of their validity in all further orders, until these GTD are terminated or changed.
5. Following placement by the Distributor of an electronic order or a written one, an obligation to realise the delivery and pay remuneration arises.
6. Orders may be placed round-the-clock . Petralana acknowledges accepting an order for fulfilment according to the rules set forth in the GTD.
7. Orders are placed in writing (fax, e-mail, electronic order placement system) and they should contain the following data :
   a. product name and its dimensions,
   b. unit price of the ordered product,
   c. unit of measure,
   d. quantity of the ordered product,
   e. term and reception schedule declared by the Distributor,
   f. way and payment term declared by the Distributor,
   g. place of delivery including postal code,
   h. description of the way of unloading (top/side),
   i. Distributor's name and address,
   j. details of the person placing the order (¬rst name and surname and telephone number and e-mail address),
   k. details of the person authorised by the Distributor to receive the goods (¬rst name and surname and telephone number),
   l. terms of delivery – in case of export Distributors. The lack of any of the details in an order may result in denial to fulfil it by Petralana.
8. It is recommended that the order form is used for placing orders, which specimen can be found at the site www.petralana.eu.
9. In order to facilitate the process of placing orders, Petralana gives Distributors access to an Electronic Order Placement System (EOPS). The EOPS log on zone is found on the website www.petralana.eu. Orders in EOPS may only be placed once the registration procedure is completed. This action is equal to acceptation of the Regulations and Privacy. Registration is free of charge and one time. As a result of the registration procedure the Distributor will be given an individual account (login and password). After logging, the Distributor obtains a possibility to place an order, view its fulfilment status, and purchase history.
10. The unit responsible for order fulfilment and delivery organisation is the Customer Service Department (CSD).
11. CSD gives information in the scope of accepting and fulfilling of orders as well as delivery organisation on workdays from Monday to Friday between 8 a.m. and 4 p.m.
12. CSD acknowledges receiving the order within 2 workdays as of receiving an order, indicating at the same time a possible term of its fulfilment, whereas an order placed on workdays after 4 p.m., on Saturdays, Sundays, and bank holidays will be treated as received on the subsequent. The order fulfilment term is particularly dependent on product availability.
13. If it is not possible to fulfil an order within the term indicated by the CSD, Petralana will promptly confirm the soonest possible term of its fulfilment . The Distributor may raise an objection against the new order fulfilment term within 1 workday. In case of no objection or objection notified out of time, the new term is deemed binding.
14. The date of accepting an order for fulfilment is the date of sending an order acknowledgement.
15. In case of orders with an advance payment, their fulfilment term will be counted as of the date of receiving the financial means on Petralana's account.
16. If the need to give more details about the order elements arises, the order fulfilment term will be calculated as of the date of completing the order.
17. Orders with an accepted delivery schedule will be acknowledged first.
18. The validity of an order without stating a delivery schedule is equal to 30 days.
19. Petralana is not liable for errors in orders . The costs of manufacturing and transportation resulting from fulfilment of an order encumbered with an error are borne by the Distributor.
20. Any changes to the orders, their corrections, or cancellation must be notified in writing.
21. In case of standard products changes have to be notified not later than within 2 workdays before the indicated delivery date. Changes will not be taken into consideration if the product has already been dispatched.
22. In case of non-standard products changes have to be notified not later than within 2 workdays before the actual date of starting the goods' production according to the order. Changes will not be taken into consideration if the product has already been manufactured or its manufacturing has begun.
23. Making a change in an order may cause a delay of the previously confirmed date of the order's fulfilment.
24. In case of resignation from receiving of the ordered and produced non-standard goods, Petralana is entitled to burden the Ordering Party with manufacturing and storing costs of this product.
25. In case the Distributor is in arrears with payments in favour of Petralana or exceeds the granted trade credit limit, Petralana reserves the right to suspend accepting new orders or suspend the fulfilment of acknowledged orders.
26. A change to the acknowledged and foreseen order fulfilment dates by Petralana is possible in case of occurrence of "force majeure ". The notion of "force majeure" is understood as every event, which could not have been foreseen while acting with due care . Force majeure in the GTD is understood as among other: fire, flood, general strike blockades of roads or other publicly used entry and exit places, earthquake, flooding, hurricane, epidemics, and other events connected with the elementary forces of nature as well as breakdowns, energy., water, and raw material supply failures, which make Petralana's work impossible , for a period longer than 3 workdays.
27. In case it is not possible to fulfil an acknowledged order as consequence of occurrence of "force majeure" , Petralana will promptly notify the Distributor about it, indicating if possible a new foreseen fulfilment term. If the new term is not accepted by the Distributor, Petralana is entitled to withdraw from the order's fulfilment, without bearing liability for failure to fulfil the order and with no extra costs. The Distributor is entitled to resign from delivery of ordered product products without incurring any extra costs in a situation when the new foreseen delivery date exceeds the previously acknowledged delivery date by 72 hours.

§ 2

DELIVERY OF PRODUCTS

1. Petralana will deliver the products to an indicated place of delivery at their own cost, without the costs of unloading and possible lengthened stoppage of the means of transportation at the place of delivery.
2. Following prior individual settlement of terms it is possible to collect the ordered products from Petralana's warehouse using a means of transportation brought by the Distributor. In such cases, however.
   a. Petralana is not liable for the losses arising during transportation,
   b. Petralana is not liable for damage to the products carried in vehicles unsuited for their transportation,
   c. the means of transportation brought by the Distributor should guarantee transportation of the whole order,
   d. the collecting party has to have an approval issued by the Distributor,
   e. the collecting party is obligated to sign an external release document and to state the date and hour of collection,
3. Unloading of delivered products has to be finalised within 3 hours as of arrival to the place indicated in the order . The costs and risk related to prolonged unloading or stoppage are borne by the Distributor.
4. The minimum delivery quantity is specified based upon the individual agreements between Petralana and the Distributor, whereas it is dependent on the possibility of organising joint deliveries to a number of unloading points. In case of a lack of such possibility, the product's price may be higher than the standard one taking into account higher transportation costs.
5. Full vehicle deliveries may be unloaded in more than one place at a supplementary transportation and unloading fee, agreed in advance.
6. In case it is physically impossible to arrive by a given means of transportation at an unloading point indicated in the order, then deliveries to this point will not be realised. In case it is not possible to unload in the specified delivery place, the ordered products may be carried toanother delivery place indicated by the, at their own expense. The driver has the right to deny arrival at an unloading point in case there is a possibility of damaging the vehicle or causing damage.
7. Petralana is entitled to charge the Distributor with transportation costs, if an incorrect delivery address is specified in the order, which will result in the need to transport the products to another place.
8. In case of cancelling an order despite no entitlements todo so, or failure to collect the ordered goods from Petralana's warehouse by a period of 60 as of placing the order, Petralana has the right to charge the Distributor with the costs of manufacture, transportation, and storage of the ordered product, according to a pricelist in force at Petralana.
9. In case of deliveries based on prepayment – the delivery date will be counted as of the date of receiving financial means on the account of Petralana, unless the need arises to give more details on the order parameters. In such

GENERAL TERMS OF DELIVERY

case the delivery date will be counted as of the date of completing the order by the Distributor

10. A delivery is deemed to be made at the moment products are delivered for unloading in the delivery place and the freight papers are handed over to the Distributor or a person authorised by the Distributor.
11. In case products are collected in Petralana's warehouse a delivery is deemed to be made at the moment the products are loaded onto a brought means of transportation.
12. A person collecting the ordered products on behalf of the Distributor has to have an authorisation issued by the Distributor. The Distributor or a person authorised by them to collect, is obligated to sign an external release document and to confirm the conformity of the delivery with the delivery note.
13. The Distributor is burdened with damage to the goods during unloading
14. An invoice for collected goods is sent by post or in case of giving consent to receiving invoices in electronic form by electronic post, on the next workday or after the realized dispatch or collection of the products from Petralana's warehouse

§ 3

CLAIMS

3.1 GENERAL RULES

1. Petralana declares that all products allowed for sales and marked with the CE sign are manufactured according to the standards in force. Products allowed for sales have the necessary documents allowing for their sales according to the intended use anticipated by the manufacturer and Declarations of the usable properties for each individual product.
2. Documents, which allow for introducing Petralana's products for turnover or making available on the building material market, are accessible on the Internet site of Petralana at the address www.petralana.eu
3. All claims are considered according to the valid law in the territory of the Republic of Poland
4. A claim has to be lodged in writing within the terms specified in the GTD.
5. Notification of a claim should contain: the Distributor's name, first name, surname, and telephone number of the person lodging, external release document or invoice number, a detailed description, and the quantity of the claimed product.
6. specimen of the claim notification form can be found on the site www.petralana.eu.
7. Complaints are administered within 14 days (21 days in case the claim concerns sales abroad) as of the date of notification arrival at Petralana, whereas Petralana will use their best efforts, so that the term of administering the claim is as short as possible.
8. In case when a claim is lodged against the terms indicated above, Petralana will notify the Distributor about it, committing them to complete the notification within 3 days of receiving notification on missing data – otherwise the claim will be deemed not lodged. The deadline for administering the claim is counted as of the date of completing the claim notification.
9. In cases, when settlement of the claim requires application of additional procedures, which may prolong the deadline of its settlement or in case of occurrence of other circumstances, which may prolong the time for its settlement, the Distributor will receive such information within 14 days (21 days in case of a claim related to sales abroad) as of the date of lodging the claim including an expected date of its settlement.

3.2 CLAIMS RELATED TO INCORRECT DELIVERY

1. Claims in virtue of incorrect delivery include:
   a. quantity claims,
   b. claims related to damage to the delivered products,
   c. nonconformity of the products with the acknowledged order, packaging condition, delivery date.
2. The Distributor is obligated to confirm the delivery and verify its conditions at the moment of receiving the products. Any damage, shortcomings, or delays in delivery should be documented in every copy of an external release document and delivery note.
3. Any reservations related to the delivered product products have to be captured in the form of annotations in the external release document or by means of a report and they must be confirmed by the signatures of the receiving party and the forwarder's driver or railway employee.
4. Claims in virtue of incorrect delivery should be lodged promptly, i.e. on the next workday after unloading at the latest.
5. Is not liable for damage to the products taking place during unloading and improper storage of products (i.e. inconsistent with the product safe use instruction, which is found on every pallet, on which he products are placed) and other events for which the Distributor or persons acting on their behalf are liable, as well as also in the case of collecting the products using one's own means of transportation . Petralana is not liable for losses incurred during transportation or short-shipments.
6. In case a claim is lodged inconsistently with the terms or deadlines indicated in the GTD, it is considered the products were accepted without any reservations and the claim will not be taken into consideration.

3.3 QUALITY CLAIMS

1. Quality claims are related to any doubts concerning thetechnical parameters of the delivered products
2. Claims must be lodges in writing by the Distributor, thatpurchased the goods at Petralana S.A.
3. The Distributor is committed to secure the claimed goods including purchase documentation and to store them in a way which prevents them from being damaged until the arrival of Petralana's representative.
4. Following the arrival of a claim at Petralana it will be promptly transferred (on the next workday at the latest) to the Technical Advisor and the appropriate Regional Sales Manager, who will contact the Distributor in order to fix a meeting and visit aiming at evaluating the claimed product.
5. Petralana together with the Distributor that claims the product will draw up a report note from the agreed meeting, which will include visual evaluation of the claimed product and the degree of correctness of the product's storage, its warehousing and transportation and possibly also mounting and application.
6. A representative of Petralana may collect a sample of the claimed product, including a sample of the claimed product from already executed building facilities, in order to carry out laboratory tests.
7. In case it is necessary to carry out a joint evaluation of the claimed product products, a Technical Advisor will notify the Distributor (by telephone, fax or e-mail) about a scheduled claim commission visit at the claim's location.
8. The claim commission is entitled to uncover the product installed in the facility and to take samples, which may be intended for tests' execution by a laboratory.
9. In case the purchased product raises doubts as to the quality and despite the Distributor's notification to Petralana about these doubts, it is used, Petralana is not liable for the arisen defects or related costs.
10. Petralana should be promptly notified about any quality claim and not later than within 3 days from the day of discovering the irregularity and not later than within 3 months as of the day of delivering/collection of the products.
11. In case of concealed defects, quality claims should be lodged promptly after discovering of the defect, however not later than within 7 days from the day of discovering it.
12. Petralana is not liable for the Distributor's faults and faults of third parties, including for losses resulting from improper use of the products and design and executive faults, as well as acts of force majeure.

§4

FINAL PROVISIONS

1. The GTD constitute an integral part of the concluded agreement.
2. The GTD are subject to change. In case of changes, the Distributor will be informed about them in writing, 14 days before their implementation. In case the Distributor does not accept the new GTD and notifies about it in writing within 7 days from receiving information about their change, the agreement is terminated as of the date when the new GTD come into force. Orders placed before the coming into force of new GTD rules will be fulfilled according to the existing rules.
3. The GTD are valid from 01.04.2017 and replace entire GTD valid before.
4. Any possible disputes, which directly or indirectly arise from the contractual relationship, which these GTD are a basis or part of, will be resolved according to Polish law.
5. A court competent taking into account each seat of Petralana will be a competent court for the resolution of disputes arising directly or indirectly from the contractual relationship, which these GTD form the basis or part of.

ISSUED ON: 20.05.2020

INSTRUCTIONS FOR USE AND HANDLING OF PETRALANA STONE WOOL PRODUCTS

When handling any PETRALANA stone wool product, comply with Occupational Health and Safety regulations, in particular:

1. Keep children out of the reach of the product
2. Wear an appropriate mask to ensure that no fibres can be inhaled through the respiratory tract (the mouth, nose)
3. Protect the skin against contact with the product
4. Wear an appropriate hat, safety goggles, shoes, and gloves
5. Wear long-sleeved clothes, including long trousers
6. Ensure appropriate workplace ventilation
7. Unpack the product only immediately before application in order to minimise the spread of dust and fibres over the workplace
8. Avoid unnecessary contact with a product that has been unpacked, e.g. when it is being moved
9. Cut the product only with a manually-operated knife intended for this purpose (avoid using any mechanical methods to do so because they may increase the spread of dust and fibres over the workplace)
10. Keep working areas clean
11. Clean the workplace using a vacuum cleaner on an ongoing basis
12. Dispose of any remains of the product constituting waste in accordance with applicable laws and local requirements
13. After working with the product, thoroughly rinse your entire body with cold water, wash it, and then rinse it again with cold water
14. When you have finished working, change into clean clothes, and thoroughly clean the clothes and equipment used during the work
15. Consult a doctor immediately in case of any worrying symptoms in persons who have or had contact with the product

Storage and warehousing of PETRALANA stone wool products

During loading and unloading, be careful not to damage the film in which the products are wrapped or the products themselves. When goods are stacked on pallets, be also careful not to damage the pallets. Load and unload goods using only authorised equipment intended for this purpose; such equipment must be operated only by persons qualified to do so.

Products must be stored in roofed and ventilated warehouses, in a manner which protects them against damage and weather (e.g. wind, moisture, rain, snow, hail, sunlight, etc.).

The floor of the product storage area should be prepared and hardened appropriately. In addition, the area should be level and dewatered to ensure that no pools of stagnating water can form there. Irrespective of whether they are packed or not, stone wool products must be stored in such a way as to ensure they do not have direct contact with the floor in their storage area; for example, they can be stored on dry clean pallets made of wood.

Do not allow stone wool to become wet. Wet stone wool may not be used, even if dried.

Installation of PETRALANA stone wool products

PETRALANA stone wool products should be installed in accordance with design prepared by a duly licensed designer responsible for designing the insulation, in accordance with instructions of the manufacturer whose tested insulation system is used to insulate a given partition, and also in accordance with best construction practices.

In any event, and in particular after receipt but before installation of PETRALANA products, check their Declaration of Performance and their marking (labels) in order to compare the properties and information stated therein with those required by design documentation and with those stated in the appropriate document characterising the applied tested insulation system (e.g. technical assessment / classification / etc.).

Handling of PETRALANA compressed products prior to their installation in order to obtain their declared thickness

The manner in which PETRALANA compressed products should be handled prior to their installation in order to obtain their declared thickness is described in Appendix 1, which constitutes an integral part of these instructions.

Appendix 1

Title: *"Handling of PETRALANA compressed products prior to their installation in order to obtain their declared thickness"*

Compression of PETRALANA stone wool products makes it possible to increase the amount of insulation material in the packaging.

PETRALIGHT stone wool insulation slabs are compressed products.

Prior to installation of compressed products, the following instructions, prepared on the basis of the *EN 13162:2012+A1:2015* Thermal insulation products for buildings – Factory made mineral wool (MW) products – Specification standard, must be followed each time:

a) Take the insulation slab out of the packaging.

b) Hold the slab upright with both hands along its long side, so that the other long side is approx. 450 mm above the ground.

c) Drop the slab so that it hits the ground.

d) Repeat the above steps for the opposite side of the slab, and then for the remaining slabs in the packaging.

e) Before measuring thickness, wait at least 5 minutes for the slabs to return to their original shape.

Slab thickness should be compared with declared values.

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