

STONE WOOL



PETRALANA[®]
 *from nature*

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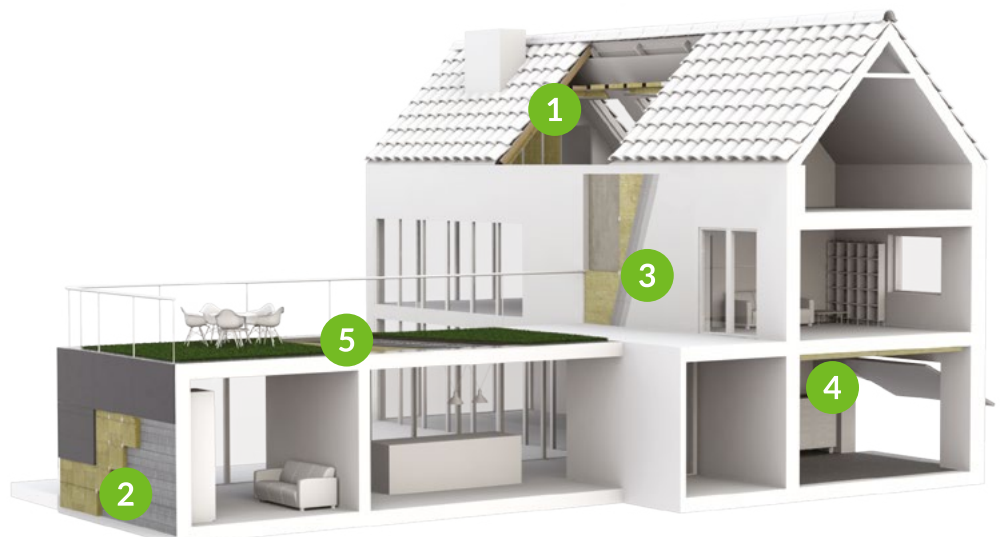
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THERMAL INSULATION



ACOUSTIC INSULATION



FIRE RESISTANCE



DURABILITY

new PETRATOP-L

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

Stone wool boards, covered on one side with a glass fiber veil for thermal, acoustic and fire insulation. They perfectly isolate rooms located above unheated garages, basements and passages.



PRODUCT CODE:

PETRATOP-L MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AW1,00 (d=120-250mm)

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	$\leq 0,034$	[W/(mK)]
Class for thickness tolerances, T	T5	-1mm/+3mm
		-1%/+3mm
Dimensional stability under 70°C and 90% humidity, DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	1,00	[-]
Reaction to fire, RtF	A1	Euroclass

*dimensions, thermal resistance and packing in accordance with the PETRATOP product (page 19)

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	$\leq 0,035$	[W/(mK)]
Class for thickness tolerances, T	T2	-5mm/+15% [mm/%]
		-5%/+15mm [%/mm]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, 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 ² K/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

Parameter	Value	Unit
Declared thermal conductivity coefficient, λ_D	$\leq 0,035$	[W/mK]
Class for thickness tolerances, T	-1mm/+3mm	[mm]
	-1%/+3mm	[%/mm]
Dimensional stability under 70°C and 90% humidity, DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLET		
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 ² K/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

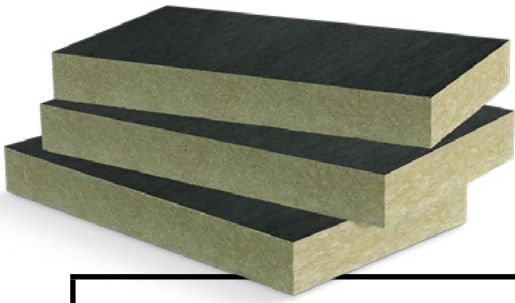
ADDITIONAL INFORMATION:

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-AW1,00

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	$\leq 0,034$	[W/mK]
Class for thickness tolerances, T	T5	-1mm/+3mm [mm]
		-1%/+3mm [%/mm]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index	1,00	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/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	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, Rf	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 ² K/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.

INSULATION OF VENTILATED FACADES



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	$\leq 0,035$	[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	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLET		
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 ² K/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 PARAMETERS		
Declared thermal conductivity coefficient, λ_D	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	0,5	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLET		
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 ² K/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 (d=30-99mm)

PETRAVENT-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1-AW0,95 (d=100-250mm)

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

Parameter	Value	Unit
Declared thermal conductivity coefficient, λ_D	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	10	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 7,5$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95 (100-250mm)	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/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-AW0,95

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	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	10	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 7,5$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95	[-]
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 ² K/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-AW1,00 (d=100-220)
 PETRAFAS MW-EN13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1-AW1,00 (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	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	20 (30-99) 30 (100-220) 20 (221-250)	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 10,0$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	1,00 (100-250)	[-]
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 ² /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
		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.

26x

INSULATION OF NON-VENTILATED FACADES



PETRAFAS-34

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

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

PRODUCT CODE

PETRAFAS 34 MW EN13162 T5-DS(70,90)-CS(10)20-TR7,5-WS WL(P)-MU 1-AW0,95

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 parameter	Value	Unit
Declared thermal conductivity coefficient, λ_D	$\leq 0,034$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	20	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 7,5$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/W]	[szt.]	[m ²]	[m ³]	[szt.]	[m ²]	[m ³]
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=20-29mm)
 PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1-AW0,80 (d=30-49mm)
 PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR15-WS-WL(P)-MU1-AW0,80 (d=50-99mm)
 PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1-AW0,80 (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	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	30 (20-99mm) 40 (100-190mm)	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 10,0$ (20-49mm) $\geq 15,0$ (50-190mm)	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,80	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/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.

INSULATION OF NON-VENTILATED FACADES



PETRAFAS-H

 $\lambda_p \leq 0,037$ [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 insulation of staircases (reaction to fire classification A1)

DECLARED PARAMETERS

DECLARED PARAMETERS		
Declared thermal conductivity coefficient, λ_p	$\leq 0,037$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	40	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 10,0$ (20-49mm) $\geq 15,0$ (50-150mm)	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/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:

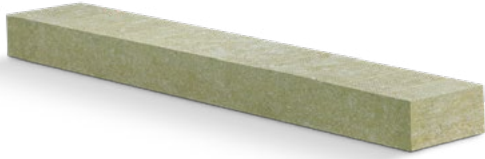
Maximum number of pallets in full truck load.

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	$\leq 0,040$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	50	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 80,0$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/W]	[szt.]	[m ²]	[m ³]	[szt.]	[m ²]	[m ³]
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-AW0,95

APPLICATION:

ceilings above garages,
passages and basements

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	$\leq 0,037$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	20	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 20,0$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95	[-]
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 ² K/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:

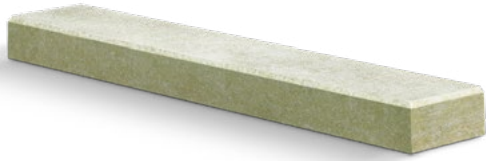
In case of the need for thickness not listed above, please contact our technical advisory or regional sales manager.



DELIVERY:

Maximum number of pallets in full truck load.

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	$\leq 0,037$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	20	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 20,0$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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.

26x



PETRATOP

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

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	$\leq 0,034$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	10	[kPa]
Tensile strength perpendicular to faces, TR	$\geq 5,0$	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RTF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PACKAGES			PALLETES		
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 ² K/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-AW0,95 (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	$\leq 0,036$	[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)	$\leq 1,0$ (30-250mm)	[%]
Compressive stress at 10% deformation, CS(10)	30 (20-200mm) 20 (201-250mm)	[kPa]
Point load at 5mm deformation, PL(5)	$\geq 250,0$ (20-200mm) $\geq 200,0$ (201-250mm)	[N]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-250mm)	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95 (201-250mm)	[-]
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 ² K/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	$\leq 0,037$	[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)	$\leq 1,0$ (30-150mm)	[%]
Compressive stress at 10% deformation, CS(10)	40	[kPa]
Point load at 5mm deformation, PL(5)	$\geq 500,0$	[N]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-150mm)	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETES		
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 ² K/W]	[szt.]	[m ²]	[m ³]
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-AW0,95(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	$\leq 0,037$	[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)	$\leq 1,0$ (30-150mm)	[%]
Compressive stress at 10% deformation, CS(10)	50	[kPa]
Point load at 5mm deformation, PL(5)	$\geq 600,0$	[N]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-150mm)	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Sound absorption index, AW	0,95 (151-190mm)	[-]
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 ² K/W]	[szt.]	[m ²]	[m ³]
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	$\leq 0,039$	[W/mK]
Class for thickness tolerances, T	T5	-1mm/+3mm
		-1%/+3mm
Dimensional stability under 70°C and 90% humidity, DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	60	[kPa]
Point load at 5mm deformation, PL(5)	$\geq 550,0$	[N]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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 roofs and flat roofs by stone wool in a single or double layer

DECLARED PARAMETERS

DECLARED PARAMETERS		
Declared thermal conductivity coefficient, λ_D	$\leq 0,039$	[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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation, CS(10)	70	[kPa]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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.



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	$\leq 0,039$	[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)	$\leq 1,0$ (30-55mm)	[%]
Compressive stress at 10% deformation, CS(10)	80	[kPa]
Point load at 5mm deformation, PL(5)	$\geq 850,0$ (20-29mm) $\geq 900,0$ (30-55mm)	[N]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-55mm)	[kg/m ²]
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 ² K/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 fuelsdoors, garage gates
and other fire insulation
elements

lift shafts

hvac duct

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	$\leq 0,035$	[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)	$\leq 1,0$	[%]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission, MU	MU1	[-]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETES		
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 ² K/W]	[szt.]	[m ²]	[m ³]
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	$\leq 0,036$	[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)	$\leq 1,0$ (30-250mm)	[%]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-250mm)	[kg/m ²]
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 ² K/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 fuelsdoors, garage gates
and other fire insulation
elements

lift shafts

hvac duct

DECLARED PARAMETERS

Declared thermal conductivity coefficient, λ_D	$\leq 0,037$	[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)	$\leq 1,0$ (30-150mm)	[%]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$ (30-150mm)	[kg/m ²]
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 ² K/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	2,70	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	$\leq 0,036$	[W/mK]
Class for thickness tolerances, T	T5	-1mm/+3mm [mm]
		-1%/+3mm [%/mm]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
Reaction to fire, RtF	A1	Euroclass

DIMENSIONS, THERMAL RESISTANCE AND PACKING

FORMAT OF PLATES			THERMAL RESISTANCE R_D	PALLETES		
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 ² K/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.

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	$\leq 0,036$	[W/mK]
Class for thickness tolerances, T	T5	-1mm/+3mm [mm]
		-1%/+3mm [%/mm]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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.



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	$\leq 0,036$	[W/mK]
Class for thickness tolerances, T	T5	-1mm/+3mm [mm]
		-1%/+3mm [%/mm]
Short time water absorption, WS	$\leq 1,0$	[kg/m ²]
Long time water absorption, WL(P)	$\leq 3,0$	[kg/m ²]
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 ² K/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 FULFILMENT

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.petalana.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.petalana.eu.
2. Fulfilment of orders for non-standard products requires each time an individual agreement with Petralana.
3. Placing of an order is equal to acceptance of the GTD.
4. In case when Petralana and Distributor remain in constant business relations, acceptance 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 the placement by the Distributor of an electronic or a written order, and the acknowledgement of the date of order fulfilment by Petralana, an obligation to realise the delivery and pay remuneration arises.
6. Orders are placed in writing (e-mail) 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 (first name and surname and telephone number and e-mail address) ,
 - k. details of the person authorised by the Distributor to receive the goods (first 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.
7. It is recommended that the order form is used for placing orders, which specimen can be found at the site www.petalana.eu.
8. The unit responsible for order fulfilment and delivery organisation is the Customer Service Department (CSD).
9. 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.
10. CSD acknowledges receiving the order within 2 workdays as of receiving an order, , whereas an order placed on workdays after 4 p.m., on Saturdays, Sundays, and bank holidays will be treated as received on the subsequent.
11. If a more detailed description of the ordered items is required, the Distributor undertakes to supplement the order within 90 days as of the date of its receipt. Incomplete orders shall not be fulfilled by Petralana.
12. An order based on prepayment is approved for fulfilment if and only if it has been paid for. Failure to pay for an order within the specified deadline may result in postponing the date of order completion. In the payment for an order is in arrears for more than 60 days, Petralana has the right to cancel the order, of which it shall inform the Distributor by e-mail. Petralana is not liable for errors in orders. Production and transportation costs resulting from fulfilling an order containing an error shall be borne by the Distributor.
13. 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.
14. Any changes to the orders, their corrections, or cancellation must be notified in writing .
15. 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 .
16. 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.
17. Making a change in an order may cause a delay of the previously confirmed date of the order's fulfilment.
18. 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.
19. 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 or cancel the fulfilment of acknowledged orders or
20. 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.
21. 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 14 working days.

§ 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 to another 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 to do so, or failure to collect the ordered goods from Petralana's warehouse within 60 days of order placement, Petralana has the right to deliver the ordered product to the Distributor at the Distributor's cost (in the case of FCA/EXW terms) and risk.
9. 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.
10. 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.
11. 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.
12. The Distributor is burdened with damage to the goods during unloading.
13. An invoice for collected goods is sent by post or in case of giving consent to receiving invoices in elec-

GENERAL TERMS OF DELIVERY

tronic form – by electronic post, on the next workday or after the realized dispatch or collection of the products from Petralana's warehouse.

14. In case of using the Distributor's own means of transportation, Petralana is not liable for losses incurred by the Distributor as a result of using transportation not suitable for transporting the Product. The provided means of transportation shall be clean and have openable side walls to enable proper loading of Product. In justified cases, Petralana may refuse to load a vehicle that fails to meet the abovementioned conditions.

§ 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.petalana.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, copy of original label of the claimed product, a detailed description, and the quantity of the claimed product.
6. Complaints lodged contrary to the GTD shall not be processed, and Petralana shall in such cases notify the Distributor about the necessity to lodge a complaint in accordance with GTD. The deadline for processing the complaint is counted as of the date of lodging a complete complaint in accordance with GTD.
7. A specimen of the claim notification form can be found on the site www.petalana.eu.
8. Lodging a complaint does not entitle the Distributor to suspend the payment for the goods.
9. Complaints are administered within 14 working days (21 working 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.
10. 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 working 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.
11. 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 working days (21 working 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, if it is possible to

indicate such a date.

12. The overall liability of Petralana towards the Distributor arising out of any claims of the Distributor in respect of delivery of Goods shall be limited to 100% of the total agreed remuneration. Regardless of the legal basis for the claimed amount, Petralana's liability is in each case limited to actual damages. Petralana is not liable for lost profit or consequential damages.

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 the 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 the technical parameters of the delivered products
2. Claims must be lodged in writing by the Distributor, that purchased the goods at Petralana S.A.
3. In case of a complaint, the goods complained against have to be secured together with purchase documents and stored in such a way as to prevent their damage until the arrival of a representative of Petralana.
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 fa-

cilities, in order to carry out laboratory tests.

7. If a dispute arises with regard to the quality of the product, the parties shall carry out a joint evaluation of the claimed products, and the Technical Advisor shall notify the Distributor (by telephone, fax, or e-mail) about the scheduled visit of the claim commission at the location of the claim.
8. The claim commission, including representatives of Petralana and individuals indicated by the Distributor, is entitled to uncover the product installed in the facility and take samples which may be intended for tests to be carried out by an accredited laboratory.
9. Samples collected without enabling the participation of a representative of Petralana shall not constitute the basis for complaint claims.
10. In case the purchased product raises doubts as to the quality and is these doubts it is used, Petralana is not liable for the arisen defects or related costs.
11. Petralana should be promptly notified about any quality claim and not later than within 3 working 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.
12. 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.
13. Petralana is not liable for Distributor's errors and errors of third parties, including losses resulting from the improper use of the product, its inappropriate storage contrary to Petralana's instructions and design and executive faults as well as acts of force majeure.
14. If a complaint is accepted and the goods are returned, the Distributor shall return the goods immediately, but no later than within 14 days as of complaint acceptance, unless the parties have agreed otherwise. If the returned goods are other than the goods complained against, Petralana shall charge the Distributor with the cost of their utilisation.
15. The goods to be returned shall bear no sign of damage and, as far as possible, shall be packaged in Petralana's manufacturer's packaging.

§ 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 working 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 01.02.2022 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.

Bytom, on 17th of January 2022

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INFO

PETRALANA S.A.

NOVEMBER 2022

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