



JANUARY 2017 PETRALANA.EU



TABLE OF CONTENTS

GENERAL CONSTRUCTION

FLAT ROOFS

02 - PETRALIGHT

04 - PETRALIGHT-H

30 - PETRAROOF-B

32 - PETRAROOF-D

34 - PETRAROOF

36 - PETRAROOF-H

38 - PETRAROOF-R

40 - PETRAROOF-T

VENTILATED FACADES

GTD

06 - PETRAVENT-LV

08 - PETRAVENT-L

10 - PETRAVENT

12 - PETRAVENT-V 14 - PETRAVENT-H

16 - PETRAVENT- WV

42 - GENERAL TERMS OF DELIVERY

NON-VENTILATED FACADES

NOTES

18 - PETRAFAS

20 - PETRAFAS-M

22 - PETRAFAS-H

24 - PETRALAMELA

44 - NOTES

CEILINGS

26 - PETRALAMELA-F

28 - PETRALAMELA-FG

PETRALIGHT

 $\lambda_{D} \leq 0.035 [W/mK]$



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

EXAMPLE OF THE PRODUCT APPLICATION

Usable loft double layer insulation

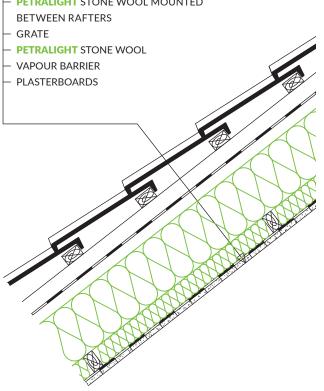
ROOFING (TILE OR METAL TILE)

BATTENS

- COUNTER BATTENS

- PRIMER LAYERS

PETRALIGHT STONE WOOL MOUNTED



APPLICATION:

usable lofts

unusable lofts

ventilated flat roofs

suspended ceilings

floors between joists

partition walls

curtain walls with frame structures

floors between joists

fill-in a frame structures including elevations (cassettes, cavity walls, curtain walls, panels, sidings)

PETRALIGHT MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AFr5 (40-99mm)
PETRALIGHT MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AW0,95-AFr5 (100-250mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARE	D PARAMETERS	<u> </u>		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	т	T2	-1 mm / +3 mm	[mm]
Class for thickness tolerances	'	12	-1 % / +3 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)		[-]	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)0,5	[kPa]
Tensile strength perpendicular to faces	TR		[-]	[kPa]
Point load at 5mm deformation	PL(5)		[-]	[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	[-]
Sound absorption index	AW	0,9	5 (100-250mm)	[-]
Air flow resistivity	AFr		≥ 5,0	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	75	100	120	150	180	200	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,10	2,85	3,40	4,25	5,10	5,70	-	-	-	-	-	-	-

			DIMENSI	ONS AND I	PACKING			
FOI	RMAT OF PLA	TES	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	
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]
		50	12	7,20	0,360	24	172,80	8,640
		75	8	4,80	0,360	24	115,20	8,640
		100	6	3,60	0,360	24	86,40	8,640
1000	600	120	5	3,00	0,360	24	72,00	8,640
		150	4	2,40	0,360	24	57,60	8,640
		180	3	1,80	0,324	24	43,20	7,776
		200	3	1,80	0,360	24	43,20	8,640



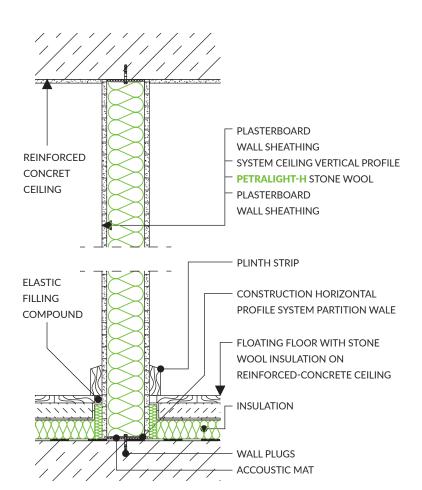
 $\lambda_{D} \leq 0.035 [W/mK]$



Stone wool panels for thermal, acoustic and fire insulation of civil structures

EXAMPLE OF THE PRODUCT APPLICATION

Acoustic and fire insulation of drywall partition



APPLICATION:

usable lofts

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)

PETRALIGHT-H MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AFr5

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED P	DECLARED PARAMETERS											
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS								
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]								
Class for thickness tolerances		'3	-1 % / +3 mm	[%/mm]								
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]								
Compressive stress at 10% deformation	CS(10/Y) CS(10)0,5											
Tensile strength perpendicular to faces	TR		[-]	[kPa]								
Point load at 5mm deformation	PL(5)		[-]	[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	[-]								
Sound absorption index	AW		[-]	[-]								
Air flow resistivity	AFr ≥ 5,0		≥ 5,0	[kPa s/m²]								
Reaction to fire	RtF		A1	Euroclass								

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	40	50	75	100	120	150	200	-	-	-	-	-	-	-
R _D [m ² K/W]	1,10	1,40	2,10	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-

			DIMENSI	ONS AND I	PACKING			
FOI	RMAT OF PLA	TES		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]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]
		40	10	6,00	0,240	24	144,00	5,760
		50	10	6,00	0,300	20	120,00	6,000
		75	8	4,80	0,360	16	76,80	5,760
1000	600	100	5	3,00	0,300	20	60,00	6,000
		120	4	2,40	0,288	20	48,00	5,760
		150	4	2,40	0,360	16	38,40	5,760
		200	3	1,80	0,360	16	28,80	5,760



 $\lambda_{D} \leq 0.034 [W/mK]$



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

EXAMPLE OF THE PRODUCT APPLICATION

Ventilated exterior walls insulation with fiberglass cover

MULION AND TRANSOM SYSTEM CURTAIN WALL AIR GAP PETRAVENT-LV STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER MECHANICAL COUPLING

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLAREI	DECLARED PARAMETERS											
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS								
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]								
Class for unconcess		13	-1 % / +3 mm	[%/mm]								
Dimensional stability under 70°C and 90% humidity	DS(70,90)		[-]	[%]								
Compressive stress at 10% deformation	CS(10/Y)		CS(10)0,5	[kPa]								
Tensile strength perpendicular to faces	TR		[-]	[kPa]								
Point load at 5mm deformation	PL(5)		[-]	[N]								
Short time water absorption	WS		≤ 1,0	[kg/m²]								
Long time water absorption	WL(P)		[-]	[kg/m²]								
Water vapour transmission	MU		MU1	[-]								
Sound absorption index	AW		[-]	[-]								
Air flow resistivity	AFr		[-]	[kPa s/m²]								
Reaction to fire	RtF		A1	Euroclass								

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	100	120	140	150	160	180	200	220	250	-	-	-	-	-
R _D [m ² K/W]	2,90	3,50	4,10	4,40	4,70	5,25	5,85	6,45	7,35	-	-	-	-	-

			DIMENS	ONS AND	PACKING			
FOI	RMAT OF PLA	TES		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	
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]
		100	5	3,00	0,300	20	60,00	6,000
		120	5	3,00	0,360	16	48,00	5,760
		140	4	2,40	0,336	16	38,40	5,376
		150	4	2,40	0,360	16	38,40	5,760
1000	600	160	3	1,80	0,288	20	36,00	5,760
		180	3	1,80	0,324	16	28,80	5,184
		200	3	1,80	0,360	16	28,80	5,760
		220	2	1,20	0,264	20	24,00	5,280
		250	2	1,20	0,300	20	24,00	6,000

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

EXAMPLE OF THE PRODUCT APPLICATION

Insulation of cavity walls with clinker brick cover

CLINKER BRICK EXTERIOR WALL VENTILATION GAP PETRAVENT-L STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)		-1 % / +3 mm ≤ 1,0	[%/mm] [%]						
Compressive stress at 10% deformation	CS(10/Y) CS(10)0.5									
Tensile strength perpendicular to faces	TR		[-]	[kPa]						
Point load at 5mm deformation	PL(5)		[-]	[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	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr [-]		[-]	[kPa s/m²]						
Reaction to fire	RtF		A1	Euroclass						

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	140	150	160	180	200	220	-	-	-	-
R _D [m ² K/W]	1,40	2,25	2,85	3,40	4,00	4,25	4,55	5,10	5,70	6,25	-	-	-	-

			DIMENS	ONS AND I	PACKING			
FOI	RMAT OF PLA	TES		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	
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]
		50	10	6,00	0,300	20	120,00	6,000
		80	6	3,60	0,288	20	72,00	5,760
		100	5	3,00	0,300	20	60,00	6,000
		120	5	3,00	0,360	16	48,00	5,760
4000	/00	140	4	2,40	0,336	16	38,40	5,376
1000	600	150	4	2,40	0,360	16	38,40	5,760
		160	3	1,80	0,288	20	36,00	5,760
		180	3	1,80	0,324	16	28,80	5,184
		200	3	1,80	0,360	16	28,80	5,760
		220	2	1,20	0,264	20	24,00	5,280





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

EXAMPLE OF THE PRODUCT APPLICATION

Steel cassettes exterior walls insulation

TRAPEZOIDAL SHEETS PETRAVENT STONE WOOL STEEL CASSETTES COLUMN

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

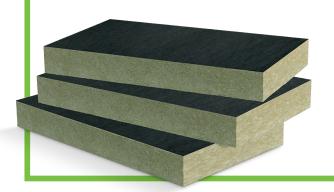
DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	т	T5	-1 mm / +3 mm	[mm]						
Class for unicalless tolerances		13	-1 % / +3 mm	[%/mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]						
Compressive stress at 10% deformation	CS(10/Y)		CS(10)0,5	[kPa]						
Tensile strength perpendicular to faces	TR		[-]	[kPa]						
Point load at 5mm deformation	PL(5)		[-]	[N]						
Short time water absorption	WS		≤ 1,0	[kg/m²]						
Long time water absorption	WL(P)		≤ 3,0	[kg/m²]						
Water vapour transmission	ми		MU1	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr	[-]		[kPa s/m²]						
Reaction to fire	RtF		A1	Euroclass						

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING													
FOI	RMAT OF PLA	TES		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]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]						
	50	50	6	3,60	0,180	16	57,60	2,880						
		80	3	1,80	0,144	20	36,00	2,880						
4000	(00	100	3	1,80	0,180	16	28,80	2,880						
1000	600	120	2	1,20	0,144	20	24,00	2,880						
		150	2	1,20	0,180	16	19,20	2,880						
		200	2	1,20	0,240	12	14,40	2,880						



 $\lambda_{D} \leq 0.035 [W/mK]$



Stone wool panels with black veil for external and internal building objects for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Ventilated exterior walls insulation with fiberglass cover

MULION AND TRANSOM SYSTEM CURTAIN WALL AIR GAP PETRAVENT-V STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER MECHANICAL COUPLING

APPLICATION:

exterior walls with light-dry method (eg metal sheets, wood cladding, siding, cement or composite cladding)

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	T	T5	-1 mm / +3 mm	[mm]						
Class for thermess tolerances		13	-1 % / +3 mm	[%/mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]						
Compressive stress at 10% deformation	CS(10/Y)		CS(10)0,5	[kPa]						
Tensile strength perpendicular to faces	TR		[-]	[kPa]						
Point load at 5mm deformation	PL(5)		[-]	[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	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr	[-]		[kPa s/m²]						
Reaction to fire	RtF		A1	Euroclass						

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING													
FOF	RMAT OF PLA	TES		PACKAGES	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							
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]						
		50	6	3,60	0,180	16	57,60	2,880						
		80	3	1,80	0,144	20	36,00	2,880						
4000	/00	100	3	1,80	0,180	16	28,80	2,880						
1000	600	120	2	1,20	0,144	20	24,00	2,880						
		150	2	1,20	0,180	16	19,20	2,880						
		200	2	1,20	0,240	12	14,40	2,880						

PETRAVENT-H

 $\lambda_{D} \leq 0.035 [W/mK]$



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

EXAMPLE OF THE PRODUCT APPLICATION

Insulation of exterior cavity walls with clinker brick cover

CLINKER BRICK EXTERIOR WALL VENTILATION GAP PETRAVENT-H STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	Т	T5	-1 mm / +3 mm -1 % / +3 mm	[mm] [%/mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]						
Compressive stress at 10% deformation	CS(10/Y)		CS(10)10	[kPa]						
Tensile strength perpendicular to faces	TR		≥ 7,5	[kPa]						
Point load at 5mm deformation	PL(5)		[-]	[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	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr		[kPa s/m²]							
Reaction to fire	RtF A1									

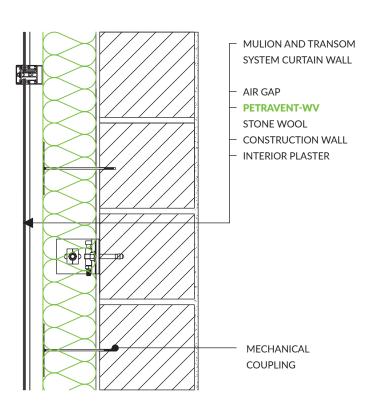
	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING													
FOI	RMAT OF PLA	TES		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]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]						
	50	50	6	3,60	0,180	16	57,60	2,880						
		80	3	1,80	0,144	20	36,00	2,880						
4000	(00	100	3	1,80	0,180	16	28,80	2,880						
1000	600	120	2	1,20	0,144	20	24,00	2,880						
		150	2	1,20	0,180	16	19,20	2,880						
		200	2	1,20	0,240	12	14,40	2,880						



EXAMPLE OF THE PRODUCT APPLICATION

Ventilated exterior walls insulation with fiberglass cover



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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)		-1 % / +3 mm ≤ 1,0	[%/mm] [%]						
Compressive stress at 10% deformation	CS(10/Y)		CS(10)0,5	[kPa]						
Tensile strength perpendicular to faces	TR		[-]	[kPa]						
Point load at 5mm deformation	PL(5)		[-]	[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	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr [-]									
Reaction to fire	RtF		A1	Euroclass						

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING													
FOI	RMAT OF PLA	TES		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]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]						
	50	50	6	3,60	0,180	16	57,60	2,880						
		80	3	1,80	0,144	20	36,00	2,880						
4000	(00	100	3	1,80	0,180	16	28,80	2,880						
1000	600	120	2	1,20	0,144	20	24,00	2,880						
		150	2	1,20	0,180	16	19,20	2,880						
		200	2	1,20	0,240	12	14,40	2,880						



 $\lambda_{D} \leq 0.035 \text{ [W/mK]}$



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

EXAMPLE OF THE PRODUCT APPLICATION

Exterior walls insulation by ETICS system

FACADE PAINT THIN-LAYER PLASTER PLASTER PRIMER NET-REINFORCED LAYER PETRAFAS STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER MECHANICAL COUPLING

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)

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED PARAMETERS											
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS							
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]							
Class for trickless tolerances	'	13	-1 % / +3 mm	[%/mm]							
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]							
Compressive stress at 10% deformation	CS(10/Y)	CS(10)3	20 (d=30-99 mm) 0 (d=100-220 mm) 0 (d=221-250 mm)	[kPa]							
Tensile strength perpendicular to faces	TR		≥ 10,0	[kPa]							
Point load at 5mm deformation	PL(5) [-]			[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	[-]							
Sound absorption index	AW		[-]	[-]							
Air flow resistivity	AFr		[-]	[kPa s/m²]							
Reaction to fire	RtF		A1	Euroclass							

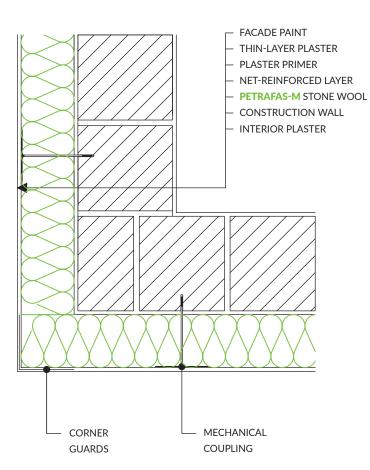
	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	60	80	100	120	140	150	160	180	200	220	240	250	-
R _D [m ² K/W]	1,40	1,70	2,25	2,85	3,40	4,00	4,25	4,55	5,10	5,70	6,25	6,85	7,10	-

			DIMENSI	ONS AND I	PACKING						
FOI	RMAT OF PLA	TES		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				
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]			
		50	6	3,60	0,180	16	57,60	2,880			
		60	5	3,00	0,180	16	48,00	2,880			
		80	3	1,80	0,144	20	36,00	2,880			
		100	3	1,80	0,180	16	28,80	2,880			
		120	2	1,20	0,144	20	24,00	2,880			
		140	2	1,20	0,168	16	19,20	2,688			
1000	600	150	2	1,20	0,180	16	19,20	2,880			
		160	2	1,20	0,192	12+16	33,60	5,376			
		180	2	1,20	0,216	12	14,40	2,592			
		200	2	1,20	0,240	12	14,40	2,880			
		220	1	0,60	0,132	20	12,00	2,640			
		240	1	0,60	0,144	20	12,00	2,880			
		250	1	0,60	0,150	16	9,60	2,400			



EXAMPLE OF THE PRODUCT APPLICATION

Exterior walls corners insulation by ETICS system



APPLICATION:

exterior and partition walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

insulation of jambs

fire insulation of attics (reaction to fire classification A1)

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLAREI	DECLARED PARAMETERS										
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS							
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]							
Class for trickness tolerances		13	-1 % / +3 mm	[%/mm]							
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]							
Compressive stress at 10% deformation	CS(10/Y)										
Tensile strength perpendicular to faces	TR		0 (d=20-49 mm) 0 (d=50-190 mm)	[kPa]							
Point load at 5mm deformation	PL(5)		[-]	[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	[-]							
Sound absorption index	AW		[-]	[-]							
Air flow resistivity	AFr		[-]	[kPa s/m²]							
Reaction to fire	RtF		A1	Euroclass							

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	20	30	40	50	100	120	150	-	-	-	-	-	-	-
R _D [m ² K/W]	0,55	0,85	1,10	1,40	2,85	3,40	4,25	-	-	-	-	-	-	-

			DIMENSI	ONS AND I	PACKING						
FOI	RMAT OF PLA	TES		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				
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]			
		20	14	8,40	0,168	16	134,40	2,688			
		30	10	6,00	0,180	16	96,00	2,880			
		40	6	3,60	0,144	20	72,00	2,880			
1000	600	50	6	3,60	0,180	16	57,60	2,880			
		100	3	1,80	0,180	16	28,80	2,880			
		120	2	1,20	0,144	20	24,00	2,880			
		150	2	1,20	0,180	16	19,20	2,880			

PETRAFAS-H

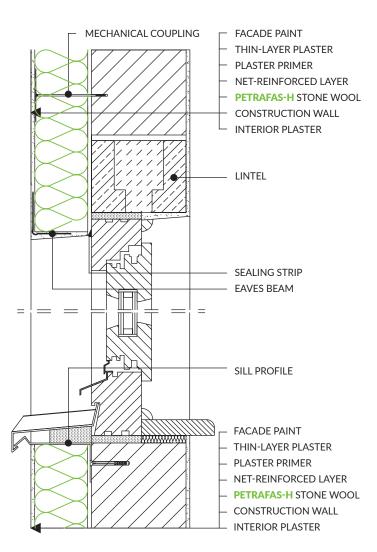
 $\lambda_{D} \leq 0.037 [W/mK]$



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

EXAMPLE OF THE PRODUCT APPLICATION

Exterior wall at the doors and windows reveals insulation by ETICS system



APPLICATION:

exterior and partition walls insulated by ETICS system

exterior monolithic, prefabricated and brick walls

insulation of jambs

fire insulation of attics (reaction to fire classification A1)

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

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED F	PARAMETERS	5			
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS	
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]	
Class for the chess to chances	,	'3	-1 % / +3 mm	[%/mm]	
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]	
Compressive stress at 10% deformation	ss at 10% deformation CS(10/Y)				
Tensile strength perpendicular to faces	TR		0 (d=20-49 mm)) (d=50-150 mm)	[kPa]	
Point load at 5mm deformation	PL(5)		[-]	[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	[-]	
Sound absorption index	AW		[-]	[-]	
Air flow resistivity	AFr		[-]	[kPa s/m²]	
Reaction to fire	RtF		A1	Euroclass	

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	20	30	40	50	100	150	-	-	-	-	-	-	-	-
R _D [m ² K/W]	0,50	0,80	1,05	1,35	2,70	4,05	-	-	-	-	-	-	-	-

			DIMENSI	ONS AND I	PACKING					
FOF	RMAT OF PLA	TES		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			
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]		
		20	14	8,40	0,168	16	134,40	2,688		
		30	10	6,00	0,180	16	96,00	2,880		
4000	(00	40	6	3,60	0,144	20	72,00	2,880		
1000	600	50	6	3,60	0,180	16	57,60	2,880		
		100	3	1,80	0,180	16	28,80	2,880		
		150	2	1,20	0,180	16	19,20	2,880		



 $\lambda_{D} \leq 0.040 [W/mK]$



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

EXAMPLE OF THE PRODUCT APPLICATION

Arched walls insulation by system ETICS

FACADE PAINT THIN-LAYER PLASTER PLASTER PRIMER NET-REINFORCED LAYER PETRALAMELA STONE WOOL CONSTRUCTION WALL INTERIOR PLASTER

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)

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

≤ 0,040 [W/mK]

DECLARED	PARAMETERS	5			
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS	
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]	
			-1 % / +3 mm	[%/mm]	
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]	
Compressive stress at 10% deformation	CS(10/Y)		50	[kPa]	
Tensile strength perpendicular to faces	TR		≥ 80,0 [kl		
Point load at 5mm deformation	PL(5)		[-]	[N]	
Short time water absorption	WS		≤ 1,0	[kg/m²]	
Long time water absorption	WL(P)		≤ 3,0	[kg/m²]	
Water vapour transmission	ми		MU1	[-]	
Sound absorption index	AW		[-]	[-]	
Air flow resistivity	AFr		[-]	[kPa s/m²]	
Reaction to fire	RtF		A1	Euroclass	

	DECLARED THERMAL RESISTANCE R _D													
d [mm]	50	80	100	120	140	150	160	180	200	220	240	250	300	350
R _D [m ² K/W]	1,25	2,00	2,50	3,00	3,50	3,75	4,00	4,50	5,00	5,50	6,00	6,25	7,50	8,75

			DIMENS	IONS AND I	PACKING						
FOF	RMAT OF PLA	TES		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	No. of packages on a pallet Cover surface of plates on a pallet				
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]	[pcs.]	[m²]	[m³]			
		50	8	1,92	0,096	30	57,60	2,880			
		80	6	1,44	0,115	25	36,00	2,880			
		100	4	0,96	0,096	30	28,80	2,880			
		120	4	0,96	0,115	25	24,00	2,880			
		140	4	0,96	0,134	20	19,20	2,688			
		150	4	0,96	0,144	20	19,20	2,880			
4000	200	160	4	0,96	0,154	15	14,40	2,304			
1200	200	180	4	0,96	0,173	15	14,40	2,592			
		200	4	0,96	0,192	15	14,40	2,880			
		220	4	0,96	0,211	10	9,60	2,112			
		240	4	0,96	0,230	10	9,60	2,304			
		250	4	0,96	0,240	10	9,60	2,400			
		300	2	0,48	0,144	20	9,60	2,880			
		350	2	0,48	0,168	15	7,20	2,520			



 $\lambda_{D} \leq 0.037 [W/mK]$



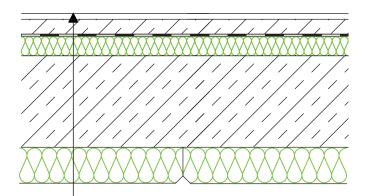
Bevelled plates of stone wool for internal and external thermal, acoustic and fire insulation of civil structures

EXAMPLE OF THE PRODUCT APPLICATION

Ceilings insulation above unheated rooms

APPLICATION:

ceilings above garages, passages and basements



- FINISHING LAYER
- FLOOR RAW CONCRETE
- VAPOUR BARRIER FOIL
- STONE WOOL
- MONOLITHIC CEILING
- PETRALAMELA-F STONE WOOL
- INTERIOR PLASTER

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	T	T5	-1 mm / +3 mm	[mm]
Class for thickness tolerances	iliess tolerances		-1 % / +3 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤1	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)20	[kPa]
Tensile strength perpendicular to faces	TR		≥ 20,0	[kPa]
Point load at 5mm deformation	PL(5)		[-]	[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	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		[-]	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R _D														
d [mm]	50	60	80	100	120	140	150	160	180	200	-	-	-	-
R _D [m ² K/W]	1,35	1,60	2,15	2,70	3,20	3,75	4,05	4,30	4,85	5,55	-	-	-	-

	DIMENSIONS AND PACKING											
	FORMAT OF PLATES	;	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]	[pcs.]	[m²]	[m³]							
		50	240	57,60	2,880							
		60	200	48,00	2,880							
		80	150	36,00	2,880							
		100	120	28,80	2,880							
4000		120	100	24,00	2,880							
1200	200	140	80	19,20	2,688							
		150	80	19,20	2,880							
		160	70	16,80	2,688							
		180	60	14,40	2,592							
		200	60	14,40	2,880							



 $\lambda_{D} \leq 0.037 [W/mK]$



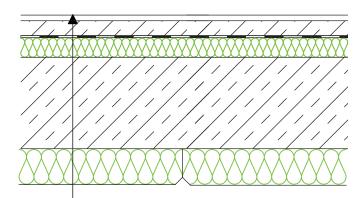
Bevelled, one-side coated plates of stone wool for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Ceilings insulation above unheated rooms

APPLICATION:

ceilings above garages, passages and basements



- FINISHING LAYER
- FLOOR RAW CONCRETE
- VAPOUR BARRIER FOIL
- STONE WOOL
- MONOLITHIC CEILING
- PETRALAMELA-FG STONE WOOL
- L INTERIOR PLASTER

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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLAREI	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm] [%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)20	[kPa]
Tensile strength perpendicular to faces	TR		≥ 20,0	[kPa]
Point load at 5mm deformation	PL(5)		[-]	[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	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		[-]	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R _D														
d [mm]	50	60	80	100	120	140	150	160	180	200	-	-	-	-
R _D [m ² K/W]	1,35	160	2,15	2,70	3,20	3,75	4,05	4,30	4,85	5,55	-	-	-	-

	DIMENSIONS AND PACKING											
	FORMAT OF PLATES	;	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]	[pcs.]	[m²]	[m³]							
		50	240	57,60	2,880							
		60	200	48,00	2,880							
		80	150	36,00	2,880							
		100	120	28,80	2,880							
4000		120	100	24,00	2,880							
1200	200	140	80	19,20	2,688							
		150	80	19,20	2,880							
		160	70	16,80	2,688							
		180	60	14,40	2,592							
		200	60	14,40	2,880							

PETRAROOF-B

 $\lambda_{D} \leq 0.036 \, [W/mK]$



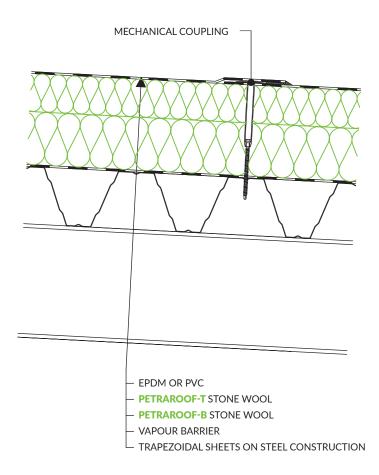
Stone wool plates for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation of double layer on trapezoidal sheets

APPLICATION:

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



PETRAROOF-B MW-EN13162-T5-CS(10)30-PL(5)250-WS-MU1-AFr5 (d=20mm-29mm)
PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)30-PL(5)250-WS-WL(P)-MU1-AFr5 (d=30mm-200mm)
PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)20-PL(5)200-WS-WL(P)-MU1-AFr5 (d=201mm-250mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]
Glass for tilleariess tolerances		'3	-1 % / +3 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)	≤ 1,0	(d=30-250 mm)	[%]
Compressive stress at 10% deformation	CS(10/Y)		80 (d=20-200 mm) 0 (d=201-250 mm)	[kPa]
Tensile strength perpendicular to faces	TR		[-]	[kPa]
Point load at 5mm deformation	PL(5)		0 (d=20-200 mm) 0 (d=201-250 mm)	[N]
Short time water absorption	Ws		≤ 1,0	[kg/m²]
Long time water absorption	WL(P)	≤ 3,0	(d=30-250 mm)	[kg/m²]
Water vapour transmission	MU		MU1	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		≥ 5,0	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R _D														
d [mm]	50	60	100	110	120	150	160	200	210	-	-	-	-	-
R _D [m ² K/W]	1,35	1,65	2,75	3,05	3,30	4,15	4,40	5,55	5,80	-	-	-	-	-

	DIMENSIONS AND PACKING										
	FORMAT OF PLATES	;	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]	[pcs.]	[m²]	[m³]						
		50	24	57,60	2,880						
		60	20	48,00	2,880						
		100	12	28,80	2,880						
		110	11	26,40	2,904						
2000	1200	120	10	24,00	2,880						
		150	8	19,20	2,880						
		160	7	16,80	2,688						
			6	14,40	2,880						
		210	5	12,00	2,520						





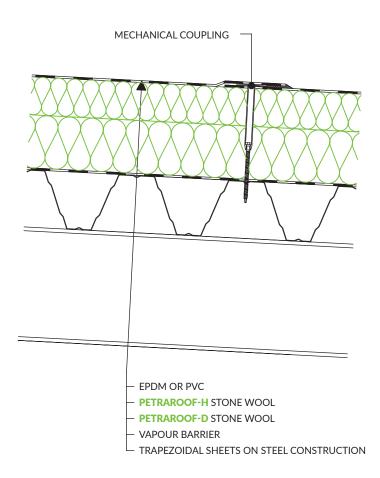
Slabs of stone wool for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation of double layer on trapezoidal sheets

APPLICATION:

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



PETRAROOF-D MW-EN13162-T5-CS(10)40-PL(5)500-WS-MU1-AFr5 (d=20mm-29mm)
PETRAROOF-D MW-EN13162-T5-DS(70,90)-CS(10)40-PL(5)500-WS-WL(P)-MU1-AFr5 (d=30mm-150mm)
PETRAROOF-D MW-EN13162-T5-CS(10)40-PL(5)500-WS-MU1-AFr5 (d=151mm-190mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

DECLARED	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]
Glass for thickness tolerances		'3	-1 % / +3 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)	≤ 1,0	(d=30-150 mm)	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)40	[kPa]
Tensile strength perpendicular to faces	TR		[-]	[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	(d=30-150 mm)	[kg/m²]
Water vapour transmission	MU		MU1	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		≥ 5,0	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

		DE	CLAR	ED TH	IERM	AL RE	SISTA	NCE	R_{D}					
d [mm]	50	80	100	120	150	-	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,35	2,15	2,70	3,20	4,05	-	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING										
	FORMAT OF PLATES	5	PALLETS								
Length	Width	Thickness	No. of packages Cover surface of plates Volume of pon a pallet on a pallet								
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]						
		50	24	57,60	2,880						
		80	15	36,00	2,880						
2000	1200	100	12	28,80	2,880						
		120	10	24,00	2,880						
		150	8	19,20	2,880						

PETRAROOF

 $\lambda_{D} \leq 0.037 [W/mK]$



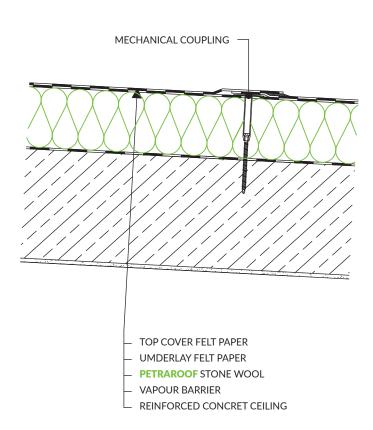
Slabs of stone wool for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation on concret ceilings

APPLICATION:

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



PETRAROOF MW-EN13162-T5-CS(10)50-PL(5)600-WS-MU1-AFr5 (d=20mm-29mm)
PETRAROOF MW-EN13162-T5-DS(70,90)-CS(10)50-PL(5)600-WS-WL(P)-MU1-AFr5 (d=30mm-150mm)
PETRAROOF MW-EN13162-T5-CS(10)50-PL(5)600-WS-MU1-AFr5 (d=151mm-190mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

≤ 0,037 [W/mK]

DECLARED	DECLARED PARAMETERS									
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS						
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]						
Glass for thickness tolerances		'3	-1 % / +3 mm	[%/mm]						
Dimensional stability under 70°C and 90% humidity	DS(70,90)	≤ 1,0	(d=30-150 mm)	[%]						
Compressive stress at 10% deformation	CS(10/Y)		CS(10)50 [kP:							
Tensile strength perpendicular to faces	TR		[-] [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	(d=30-150 mm)	[kg/m²]						
Water vapour transmission	MU		MU1	[-]						
Sound absorption index	AW		[-]	[-]						
Air flow resistivity	AFr		≥ 5,0	[kPa s/m²]						
Reaction to fire	RtF		A1	Euroclass						

DECLARED THERMAL RESISTANCE R _D														
d [mm]	30	40	50	60	80	100	120	150	-	-	-	-	-	-
R _D [m ² K/W]	0,80	1,05	1,35	1,60	2,15	2,70	3,20	4,05	-	-	-	-	-	-

		DIMENSIONS	AND PACKING						
	FORMAT OF PLATES	•		PALLETS					
Length	Width	Thickness	No. of packages Cover surface of plates Volume o on a pallet on a p						
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]				
		30	40	96,00	2,880				
		40	30	72,00	2,880				
		50	24	57,60	2,880				
0000	4000	60	20	48,00	2,880				
2000	1200	80	15	36,00	2,880				
		100	12	28,80	2,880				
		120	10	24,00	2,880				
		150	8	19,20	2,880				

PETRAROOF-H

 $\lambda_{D} \leq 0.039 \text{ [W/mK]}$



Stone wool panels for thermal, acoustic and fire insulation

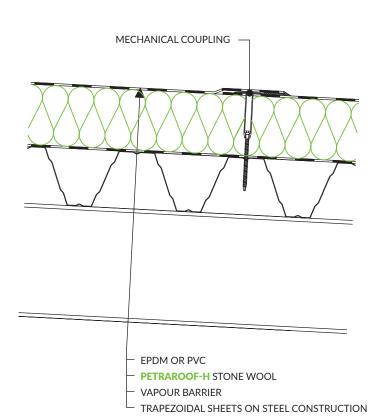
EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation on trapezoidal sheets

APPLICATION:

flat roof insulation with stone wool in single and double layers

unventilated flat roofs insulation with high strength



PETRAROOF-H MW-EN13162-T5-DS(70,90)-CS(10)60-PL(5)550-WS-WL(P)-MU1-AFr5

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

≤ 0,039 [W/mK]

DECLAREI	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	Т	T5	-1 mm / +3 mm -1 % / +3 mm	[mm] [%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)60 [kPa]	
Tensile strength perpendicular to faces	TR		[-]	[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	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		≥ 5,0	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R _D														
d [mm]	30	40	50	100	150	-	-	-	-	-	-	-	-	-
R _D [m ² K/W]	0,75	1,00	1,25	2,55	3,80	-	-	-	-	-	-	-	-	-

	DIMENSIONS AND PACKING											
	FORMAT OF PLATES	;	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]	[pcs.]	[m²]	[m³]							
		30	40	96,00	2,880							
		40	30	72,00	2,880							
2000	1200	50	24	57,60	2,880							
		100	12	28,80	2,880							
		150	8	19,20	2,880							

PETRAROOF-R

 $\lambda_{D} \leq 0.039 \text{ [W/mK]}$



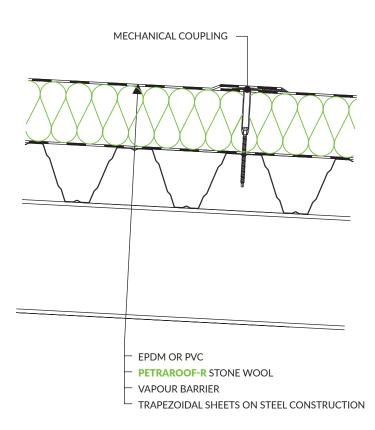
Slabs of stone wool for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation on trapezoidal sheets

APPLICATION:

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



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

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

≤ 0,039 [W/mK]

DECLARED	PARAMETERS	5		
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS	OR TOLERANCE	UNITS
Class for thickness tolerances	Т	T5	-1 mm / +3 mm	[mm]
Class for tillentiess tolerances		13	-1 % / +3 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)		≤ 1,0	[%]
Compressive stress at 10% deformation	CS(10/Y)		CS(10)70 [kP	
Tensile strength perpendicular to faces	TR		[-] [k	
Point load at 5mm deformation	PL(5)		[-]	[N]
Short time water absorption	WS		≤ 1,0	[kg/m²]
Long time water absorption	WL(P)		≤ 3,0	[kg/m²]
Water vapour transmission	ми		MU1	[-]
Sound absorption index	AW		[-]	[-]
Air flow resistivity	AFr		[-]	[kPa s/m²]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R _D														
d [mm]	30	40	50	100	150	-	-	-	-	-	-	-	-	-
R _D [m ² K/W] 0,75 1,00 1,25 2,55 3,80														

	DIMENSIONS AND PACKING											
	FORMAT OF PLATES	5	PALLETS									
Length	Width	Thickness	No. of packages Cover surface of plates Volume of plots on a pallet on a pallet									
[mm]	[mm]	[mm]	[pcs.]	[m²]	[m³]							
		30	40	96,00	2,880							
		40	30	72,00	2,880							
2000	1200	50	24	57,60	2,880							
		100	12	28,80	2,880							
		150	8	19,20	2,880							



 $\lambda_{D} \leq 0.039 \text{ [W/mK]}$



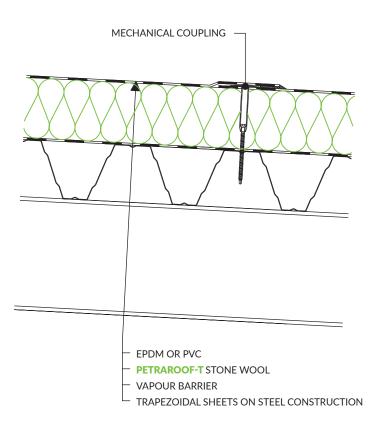
Stone wool panels for thermal, acoustic and fire insulation

EXAMPLE OF THE PRODUCT APPLICATION

Flat roof insulation on trapezoidal sheets

APPLICATION:

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



PETRAROOF-T MW-EN13162-T5-CS(10)80-PL(5)850-WS-MU1-AFr5 (d=20-29 mm)
PETRAROOF-T MW-EN13162-T4-DS(70,90)-CS(10)80-PL(5)900-WS-WL(P)-MU1-AFr5 (d=30-55 mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_{\scriptscriptstyle D}$

≤ 0,039 [W/mK]

DECLAF	DECLARED PARAMETERS									
DECLARES PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS OR TOLERANCE	UNITS							
Class for thickness tolerances	Т	75	[mm] [%/mm]							
Dimensional stability under 70°C and 90% humidity	DS(70,90)	≤ 1,0 (d=30-55 mm)	[%]							
Compressive stress at 10% deformation	CS(10/Y)	CS(10)80	[kPa]							
Tensile strength perpendicular to faces	TR	[-]	[kPa]							
Point load at 5mm deformation	PL(5)	≥ 850,0 (d=20-29 mm) ≥ 900,0 (d=30-55 mm)	[N]							
Short time water absorption	WS	≤ 1,0	[kg/m²]							
Long time water absorption	WL(P)	≤ 3,0 (d=30-55 mm)	[kg/m²]							
Water vapour transmission	MU	MU1	[-]							
Sound absorption index	AW	[-]	[-]							
Air flow resistivity	AFr	≥ 5,0	[kPa s/m²]							
Reaction to fire	RtF	A1	Euroclass							

DECLARED THERMAL RESISTANCE R _D														
d [mm]	20	30	40	50	-	-	-	-	-	-	-	-	-	-
R _D [m ² K/W] 0,50 0,75 1,00 1,25														

	DIMENSIONS AND PACKING											
	FORMAT OF PLATES	;		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]	[pcs.]	[m²]	[m³]							
		20	56	134,40	2,688							
2000	4000	30	40	96,00	2,880							
2000	1200	40	30	72,00	2,880							
		50	24	57,60	2,880							



GENERAL TERMS OF DELIVERY

INFO

§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.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.
- 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.
- Following placement by the Distributor of an electronic order or a written one, an obligation to realise the delivery and pay remuneration arises.
- 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),
- 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),
- 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.
- 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.
- 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.
- 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.
- 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.
- Orders with an accepted delivery schedule will be acknowledged first
- The validity of an order without stating a delivery schedule is equal to 30 days.
- 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 previ-
- 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

- 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.
- 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
- e. the collecting party is obligated to sign an external release document and to state the date and hour of collection.
- 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.
- 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.
- 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



GENERAL TERMS OF DELIVERY

INFO

- 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 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.
- 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 note.
- 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 GENERAL RULES

- 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.
- 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
- 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.
- A 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.

§4 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.
- 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
- 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.
- 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.

§5 QUALITY CLAIMS

- Quality claims are related to any doubts concerning the technical parameters of the delivered products.
- Claims must be lodges in writing by the Distributor, that purchased the goods at Petralana S.A.
- 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.
- 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.
- 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.
- 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 maieure.

§6 FINAL PROVISIONS

- 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.
- 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.
- 4. 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.



NOTES



INTERNATIONAL CONTACT

SALES DIRECTOR EXPORT

Peter Nowack

+ 49 1520 8365 191 peter.nowack@petralana.eu

CUSTOMER SERVICE

Kamila Kurzac

+48 735 920 131 kamila.kurzac@petralana.eu

TECHNICAL ADVISOR

Mateusz Kluge

+48 735 920 128 mateusz.kluge@petralana.eu

INFO

PETRALANA S.A. January 2017

All rights reserved. No part of this publication may be copied or stored in any mechanical copy data system, including photocopying, recording or others, without the prior written permission of PETRALANA S.A. All requests for the possibility of using the materials contained in this publication should be directed to the company PETRALANA S.A.