



**REAL** **GEO**

Stone wool  
products



## MATEREAL - BUILDING MATERIALS

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2000ZU00SSD00MD0  
6DWU000G0060D0WD  
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## APPLICATION

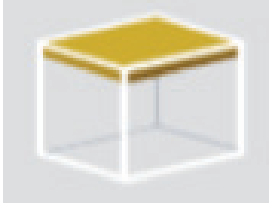
Stone wool, thanks to its optimal density values, is perfect for thermal insulation both at temperatures below zero and for extreme heat; it is also an excellent acoustic insulator suitable for both plasterboard partitions and for perimeter wall insulation. Stone wool does not fear humidity: even when in contact with wet materials it does not retain moisture and respects the environment. Stone wool is a non-combustible material and does not promote the development of micro-organisms or insects.

# FLAT ROOFINGS

## Stone wool panels for flat roof insulation

**REALGEO**

**MTR-BP-40**



Nude panel

Thickness [mm]	Panels/pallets	m <sup>2</sup> /pallet	Thermal strength R (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load)	Compressive strength (kPa)	Reaction-fire performance
40	120	86,40	1,10					
50	96	69,12	1,35					
60	80	57,60	1,65	15	1,036	550	40	A1
80	56	40,32	2,20					

Panel dimension: 600 x 1200 mm

**REALGEO**

**MTR-BP-50**



Nude panel

Thickness [mm]	Panels/pallets	m <sup>2</sup> /pallet	Thermal strength R (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load)	Compressive strength (kPa)	Reaction-fire performance
40	30	36,00	1,05					
50	24	28,80	1,35					
60	20	24,00	1,60					
80	15	18,00	2,15					
100	12	14,40	2,70	15	0,037	600	50	A1
120	10	12,00	3,20					
140	8	9,60	3,75					
160	7	8,40	4,30					

Panel dimension 1200 x 1000 mm  
Also available in 1200 x 600 mm and thickness greater than 160 mm)

**REALGEO**

**MTR-BP-HD-L**



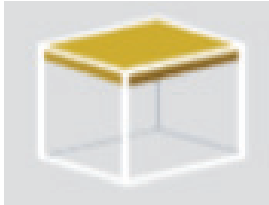
REALgeo BP-HD-L nude panel with shutter edges on 4 sides

Thickness [mm]	Panels/pallets	m <sup>2</sup> /pallet	Thermal strength R (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load)	Compressive strength (kPa)	Compressive strength (kPa)
120	10	24,00	3,20					
140	8	19,20	3,75					
160	7	16,80	4,30	20	0,037	600	60	A1
180	6	14,40	4,85					
200	6	14,40	5,40					

Panel dimension: 1200 x 2000 mm.

# REAL GEO

## MTR-BP-70



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	30	36,00	1,00					
50	24	28,80	1,25					
60	20	24,00	1,50					
80	15	18,00	2,05	20	0,039	700	70	A1
100	12	14,40	2,55					
120	10	12,00	3,05					
140	8	9,60	3,55					
160	7	8,40	4,10					

Panel dimension: 1200 x 1000 mm. Thickness greater than 160 mm available on request

# REAL GEO

## MTR-BP-80



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	30	36,00	1,00					
50	24	28,80	1,25					
60	20	24,00	1,50					
80	15	18,00	2,05	20	0,039	800	80	A1
100	12	14,40	2,55					
120	10	12,00	3,05					
140	8	9,60	3,55					
160	7	8,40	4,10					

Panel dimension: 1200 x 1000 mm. Thickness greater than 160 mm available on request

# REAL GEO

## MTR-BP-40-BIT



Bitumen-coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	29	34,80	1,10					
50	24	18,80	1,35	15	1,036	550	40	F
60	19	22,80	1,65					
80	15	18,00	2,20					

Panel dimension: 600 x 1200 mm

# FLAT ROOFINGS NOT WALKABLE OR OCCASIONALLY WALKABLE

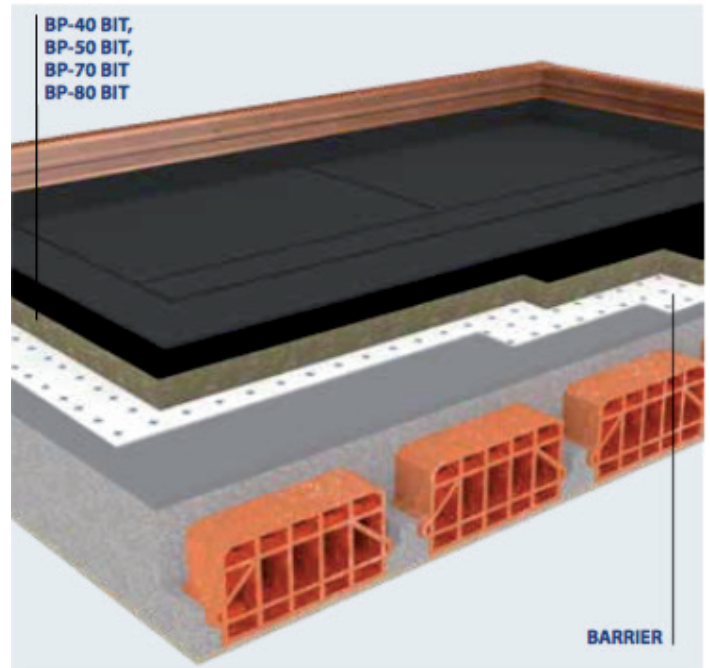
## FLAT ROOFINGS OCCASIONALLY WALKABLE WITH BITUMINOUS WATERPROOF COAT

The insulation of the roof (or of the attic) limits, in the heating period, the dispersion of heat upwards, improving the comfort conditions of the house, saving energy and therefore reducing CO2 emissions in the environment. Likewise, in summer, insulation helps to limit cold dispersion. Coverage is one of the most critical points of the building, especially for those where the roof represents a significant percentage of the total dispersing surface.

The insulation of the roof consists in the application of a layer of insulating material that prevents the passage of heat from the internal to the external environment during the winter season and vice versa in the summer, limiting the temperature changes that occur during the day.

The products REAL Geo BP-40 BIT, REAL Geo BP-50 BIT, REAL Geo BP-70 BIT or REAL Geo BP-80 BIT, being coated with bitumen, are particularly suitable for this application and therefore facilitate the subsequent application of bituminous membranes.

According to the thermohygroscopic conditions of the internal environment, it is good practice to provide a steam barrier under the REAL Geo BP panels, such as the REAL Skin BARRIER polypropylene membrane.



## REAL GEO

### MTR-BP-50-BIT



Bitumen-coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	29	34,80	1,05					
50	24	28,80	1,35					
60	19	22,80	1,60					
80	15	18,00	2,15	15	0,037	600	50	F
100	12	14,40	2,70					
120	10	12,00	3,20					

Panel dimension: 1200 x 1000 mm

# REAL GEO

## MTR-BP-70-BIT



Bitumen-coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> /pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	29	34,80	1,00					
50	24	28,80	1,25					
60	19	22,80	1,50					
80	15	18,00	2,05	20	0,039	700	70	F
100	12	14,40	2,55					
120	10	12,00	3,05					

Dimensioni pannello: 1200 x 1000 mm

# REAL GEO

## MTR-BP-80-BIT



Bitumen-coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	29	34,80	1,00					
50	24	28,80	1,25					
60	19	22,80	1,50					
80	15	18,00	2,05	20	0,039	800	80	F
100	12	14,40	2,55					
120	10	12,00	3,05					

Panel dimension: 1200 x 1000 mm

# REAL GEO

## MTR-SKIN-BARRIER



Vapour barrier packaging membrane

DESCRIPTION	WEIGHT (g/m <sup>2</sup> )	Lenght x width	Quantity per roll (m <sup>2</sup> )	Equivalent air thickness Sd (m)
Vapor barrier in PP	122	50 x 1,5	75	2400

# INCLINED COVERINGS

Stone wool panels for insulation of inclined coverings

## REAL GEO

### MTR-BP-30



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	120	86,40	1,10					
50	96	69,12	1,32					
60	80	57,60	1,65					
80	56	40,32	2,20					
100	48	34,56	2,75	10	0,036	400	30	A1
120	40	28,80	3,30					
140	36	25,92	3,85					
160	28	20,16	4,40					
180	28	20,16	5,00					
200	24	17,28	5,55					

Panel dimension: 600 x 1200 mm

## REAL GEO

### MTR-BP-50



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
40	120	86,4	1,05					
50	100	72	1,35					
60	80	57,6	1,6					
80	60	43,2	2,15	15	0,037	600	50	A1
100	48	34,56	2,7					
120	40	28,8	3,2					
140	36	25,92	3,75					
160	28	20,16	4,3					

Panel dimension: 600 x 1200 mm /  
(Also available in 1000 x 1200 mm e and thickness greater than 160 mm)

## REAL GEO

### MTR-SKIN-SMART



Membrane with "smart" steam braking features

DESCRIPTION	WEIGHT (g/m <sup>2</sup> )	Lenght x width (m)	Quantity roll (m <sup>2</sup> )	Equivalent air thickness Sd (m)
High intensity PE	92	50 x 1,5	75	variable: 0,2 - 35



# REAL GEO

## MTR-B-001



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
20	240	172,8	0,6					
30	160	115,2	0,9					
40	112	86,4	1,2					
50	96	69,12	1,5	5 (thickness 80 mm)	0,033	1 for thickness >=50mm	5/10	A1
60	80	57,6	1,8					
80	56	40,32	2,4					
100	48	34,56	3					

# REAL GEO

## MTR-B-021



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
20	240	172,8	0,6					
30	160	115,2	0,9					
40	112	86,4	1,2					
50	96	69,12	1,5	10 (thickness 80 mm)	0,033	0,95 for thickness >=50mm	10	A1
60	80	57,6	1,8					
80	56	40,32	2,4					
100	48	34,56	3					

Dimensioni pannello: 600 x 1200 mm

# REAL GEO

## MTR-B-051



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
20	240	172,8	0,55					
30	160	115,2	0,85					
40	120	86,4	1,1					
50	100	72	1,4	10 (thickness 80 mm)	0,035	0,95 for thickness >=50mm	20	A1
60	80	57,6	1,7					
80	60	43,2	2,25					

Panel dimension: 600 x 1200 mm

# REAL GEO

## MTR-BP-ETICS



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
30	160	96	0,85					
40	126	75,6	1,1					
50	96	57,6	1,4					
60	80	48	1,7					
80	60	36	2,25					
100	48	28,8	2,85					
120	40	24	3,4					
140	36	21,6	4					
160	32	19,2	4,55	10	0,035	20(thickness >=50mm)	30	A1
180	28	16,8	5,1					
200	24	14,4	5,7					
220	22	13,2	6,25					
240	20	12,2	6,85					
260	18	10,8	7,4					
280	18	10,8	8					
300	16	9,6	8,55					

Panel dimension: 600 x 1000 mm

# REAL GEO

## MTR-BP-ETICS-PLUS



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Tensile strength (kPa)	Thermal conductivity λ (W/mK)	Compressive strength (concentrated load) (N)	Compressive strength (kPa)	Reaction-fire performance
50	96	57,6	1,45					
60	80	48	1,75					
80	60	36	2,35					
100	48	28,8	2,9					
120	40	24	3,5					
140	36	21,6	4,1					
160	32	19,2	4,7					
180	28	16,8	5,25					
200	24	14,4	5,85					
220	22	13,2	6,45	7,5	0,034	20(thickness >=50mm)	20	A1

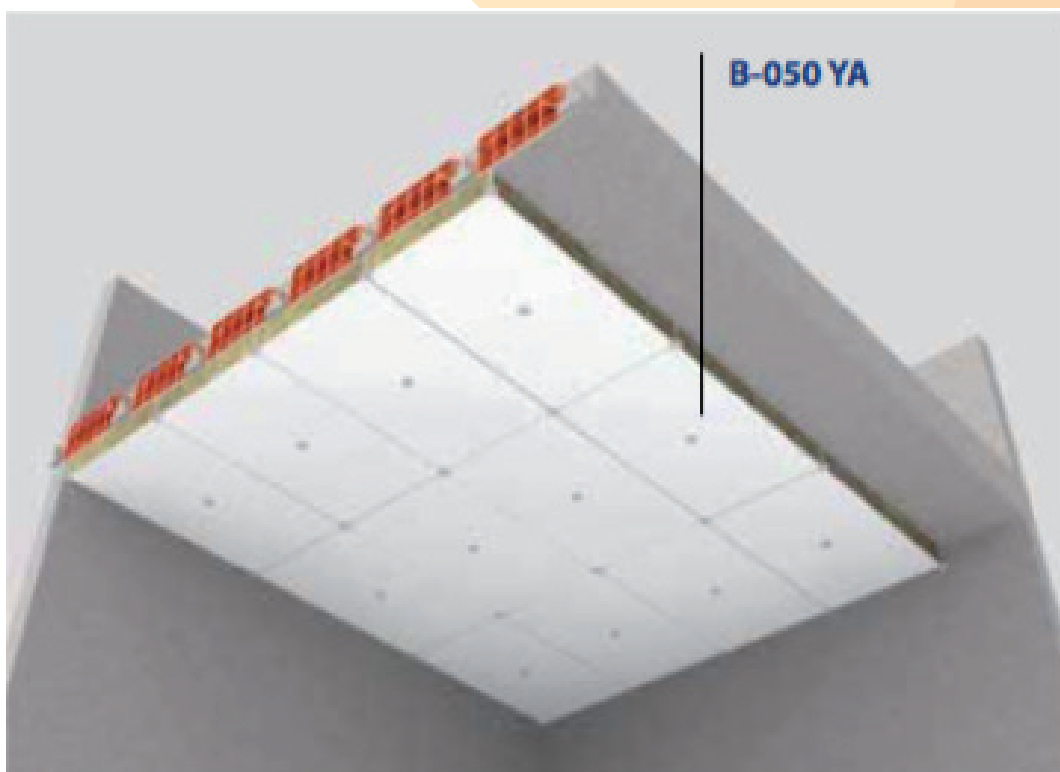
Panel dimension: 600 x 1000 mm

## SLAB ON NON-HEATED ROOMS (GARAGES, PILOTY, OR OPEN SPACES)

The illustrated solution allows to reduce the energy requirements for heating and cooling and - at the same time - to avoid isolating the extrados of the floor, reducing the useful height of the overlying environment. The REAL proposal consists in going to isolate the ceiling to the intrados with the REAL Geo B-050 YA panels covered with a white glass veil and mechanically fixed to the floor structure with mushroom plugs similar to those used in the insulation coat and having a minimum head diameter of 60 mm (as an example, provide 5 panel plugs: 1 at the center and the others at the 4 edges).

### **This solution offers a long list of advantages:**

- Increasing Thermal insulation;
- Absence of thermal bridges given by the continuity of the insulation;
- Increasing acoustic insulation;
- High fire protection of the floor due to the incombustible nature of the REAL Geo B-050 YA stone wool panel;
- Quick installation due to the lightness of the insulating panels and totally dry assembly process;
- Pleasant aesthetics given by the white panel coating;
- Cost-effectiveness.



# PERIMETER AND DIVIDER WALLS

VENTILATED FACADE - Covered panels for wind-stop

## STONE WOOL PANELS FOR VENTILATED FACADE

**REAL GEO**

**MTR-050-YM**



Black-glass coated panel 60gr/m<sup>2</sup>

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Resistività al flusso dell'aria kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	120	86,4	1,15				
50	100	72	1,45				
60	80	57,6	1,75				
80	60	43,2	2,35				
100	50	36	2,9				
120	40	28,8	3,5	30	0,034	1 (thickness > =50mm)	A1
140	36	25,92	4,1				
160	3	21,6	4,7				
180	28	20,16	5,25				
200	24	17,28	5,85				

Panel dimension: 600 x 1200 mm

**REAL GEO**

**MTR-B-570 YM**



Black-glass coated panel 60gr/m<sup>2</sup>

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	120	86,4	1,2				
50	96	69,12	1,5				
60	84	60,48	1,8				
80	60	43,2	2,4				
100	48	34,56	3				
120	40	28,8	3,6	50	0,033	1 (thickness > =50mm)	A1
140	36	25,92	4,2				
160	30	21,6	4,8				
180	28	20,16	5,45				
200	24	17,28	6,05				

Panel dimension: 600 x 1200 mm

# CAVITY INSULATION – Covered panels for steam barrier

## STONE WOOL PANELS FOR CAVITY INSULATION

**REAL GEO**

**MTR-B-050 XA**



Kraft paper coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	120	86,4	1,15				
50	100	72	1,45				
60	80	57,6	1,75				
80	60	43,2	2,35				
100	50	36	2,9	30	0,034	1 (thickness > =50mm)	F
120	40	28,8	3,5				
140	36	25,92	4,1				
160	30	21,6	4,7				

Panel dimension: 600 x 1200 mm

**REAL GEO**

**MTR-B-570 XA**



Kraft paper coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
30	156	112,32	0,9				
40	120	86,4	1,2				
50	96	69,12	1,5				
60	84	60,48	1,8				
80	60	43,2	2,4	50	0,033	1 (thickness > =50mm)	F
100	48	34,56	3				
120	40	28,8	3,6				
140	36	25,92	4,2				
160	30	21,6	4,8				

Panel dimension: 600 x 1200 mm

**REAL GEO**

**MTR-B-090-AX**



Full height, aluminum and Kraft paper coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Termal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	60	104,4	1,2				
50	48	83,52	1,5				
60	40	69,6	1,8				
80	30	52,2	2,4				
100	24	41,76	3	60	0,033	1 (thickness > =50mm)	C-s1,d0
120	20	34,8	3,6				
140	16	27,84	4,2				
160	14	24,36	4,8				

Dimensioni pannello: 600 x 1200 mm

# PERIMETRIC DIVIDING EDGES

DRY INSULATION OF WALLS AND INNER PARTITIONS: panels without coating

## REAL GEO

### MTR-B-040



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	120	86,4	1,15				
50	100	72	1,45				
60	80	57,6	1,75	15	0,034	1 (thickness > =50mm)	A1
70	70	50,4	2,05				
80	60	43,2	2,35				
100	50	36	2,9				

Panel dimension: 600 x 1200 mm

## REAL GEO

### MTR-B-050



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
30	160	115,2	0,85				
40	120	86,4	1,15				
50	100	72	1,45	30	0,034	1 (thickness > =50mm)	A1
60	80	57,6	1,75				
80	60	43,2	2,35				
100	50	36	2,9				

Panel dimension: 600 x 1200 mm

## REAL GEO

### MTR-B-060



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
30	160	115,2	0,85				
40	120	86,4	1,15				
50	100	72	1,45	35	0,034	1 (thickness > =50mm)	A1
60	80	57,6	1,75				
80	60	43,2	2,35				
100	50	36	2,9				

Panel dimension: 600 x 1200 mm

# REAL GEO

## MTR-B-050-AL



Glass-fiber reinforced, aluminum coated panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
40	120	86,4	1,15				
50	100	72	1,45				
60	80	57,6	1,75	30	0,034	0,7 (thickness > =50mm)	A1
80	60	43,2	2,35				
100	50	36	2,9				

Panel dimension: 600 x 1200 mm

# REAL GEO

## MTR-B-570



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
30	156	112,32	0,9				
40	120	86,4	1,2				
50	96	69,12	1,5	60	0,033	1 (thickness > =50mm)	A1
60	84	60,48	1,8				
80	60	43,2	2,4				
100	48	34,56	3				

Panel dimension: 600 x 1200 mm

# REAL GEO

## MTR-B-001



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
20	240	172,8	0,6				
30	160	115,2	0,9				
40	112	80,64	1,2				
50	96	69,12	1,5	60	0,033	1 (thickness > =50mm)	A1
60	80	57,6	1,8				
80	56	40,32	2,4				
100	48	34,56	3				

Panel dimension: 600 x 1200 mm

# REAL GEO

## MTR-B-002



Nude panel

Thickness [mm]	Panels / pallet	m <sup>2</sup> / pallet	Thermal strength (m <sup>2</sup> K/W)	Resistance to air fluxes kPa s/m <sup>2</sup>	Thermal conductivity λ (W/mK)	W sound absorption	Reaction-fire performance
20	240	172,8	0,55				
30	160	115,2	0,85				
40	120	86,4	1,1	60	0,035	1 (thickness > =50mm)	A1
50	100	72	1,4				

Panel dimension: 600 x 1200 mm