

# Volcalis

efficient and safe insulation



Partitions



Wall lining



Ceilings



Roofs



Facades



mineral wool



Thermal insulation



Acoustic insulation



Non-combustible



Indoor air quality

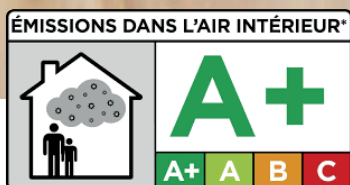
# Volcalis

## From the best raw material, confort is born

VOLCALIS – Isolamentos Minerais, S.A. a Portuguese company owned by the Preceram Group, is dedicated to the production of mineral wool through an absolutely innovative and unique production process in Portugal.

Volcalis offers a wide range of high quality and ecological solutions to the market, contributing to the comfort and thermal and acoustic efficiency of the buildings, by using the best raw materials and the highest technologies with great efficiency and rigor.

This product of growing demand in the construction sector comes to increase the wide range of solutions offered by the Preceram Group companies and, more directly, to complement the gypsum board systems of Gyptec Ibérica.



Volcalis mineral wool is a non-combustible, fire-resistant material, free of harmful substances and ensuring a healthy indoor environment.

Volcalis is rated A + for indoor air quality, the best indoor air quality classification, meaning very low or no emissions of substances in indoor air.

\* Information on the emission level of volatile substances for indoor air, presenting a risk of toxicity due to inhalation, on a class scale that varies from A+ (very low emissions) to C (high emissions).

## Environmental Certification ISO 14001 and Quality Certification ISO 9001

Volcalis assesses its environmental significant aspects and identifies the risks and opportunities associated with its activities fulfilling the requirements specified in the standards NP EN ISO 9001: 2015 and NP EN ISO 14001: 2015 for the activity of production and commercialization of Mineral Wool.



## The rediscovery of mineral wool

Discover the unmatched comfort of installation with a soft touch. Volcalis mineral wool is an ecological product based on sand and binder of biological origin, made in Portugal, available in rolls and slabs, with high thermal and acoustic performance, fire resistant, easy to apply and to handle.



Its production uses natural and ecological materials. Volcalis mineral wool makes it possible to reduce the CO<sub>2</sub> emissions associated with its transport, since it is highly compressible and reduces the number of transportations required by approximately 10 times. Volcalis mineral wool does not release volatile pollutants so it is harmless to health.



### Comfortable application

Volcalis mineral wool has a soft touch and it's easy to handle.

### Sustainable process

Making use of the best raw materials and high-efficiency advanced technologies, the new plant will provide the market with sustainable and high-quality mineral wool solutions.





# Volcalis

## Benefits



### Designed and manufactured in Portugal

Volcalis mineral wool is produced in the center of Portugal, which allows it to be centralized in distribution, guaranteeing a low ecological footprint and lower transport costs. All the optimization of the production, storage and logistics process allows it to present itself on the market with the best cost-benefit ratio.

### Fire resistant

Mineral wool is a reliable fire protection material because it is non-combustible and it does not conduct heat.



### All around application

Mineral wool is used in a wide range of applications, both for new construction and for rehabilitation, on ceilings, partition walls and wall linings, for thermal and acoustic insulation.










### Thermal and acoustic insulation

The excellent thermal properties of mineral wool contribute to comfortable buildings with low energy consumption. As a result of its internal structure, Volcalis mineral wool is an outstanding sound insulation material.

# Volcalis Applications

## Recommended applications

	 Partitions	 Wall lining	 Ceilings	 Pitched roofs	 Metal roofs	 Metal facades	 Ventilated facades	Page
<b>EASY</b>								
Roll Kraft Paper			●	●				6
Roll			●		●			7
Roll Alu Kraft				●				7
Reinforced Roll						●		7
<b>COMFORT</b>								
Slab	●	●	●					8
Roll	●	●	●					8
Slab Kraft Paper		●	●					9
Slab SR		●						9
Roll Black Veil							●	9
<b>ALPHA</b>								
Slab	●	●	●					10
Roll	●	●	●					10
Slab Kraft Paper		●	●					11
Slab Black Veil			●					11
Roll Black Veil							●	11
<b>ALPHA PLUS</b>								
Slab	●	●	●	●			●	12
Roll	●	●	●	●			●	13
Slab Kraft Paper		●	●	●				13

## Volcalis product range

**EASY**  
λ40



### Mineral Wool in Roll

Volcalis **EASY**, mineral wool roll with or without coating. Light and easy to apply, with good thermal and acoustic performance.

**COMFORT**  
λ37



### Mineral Wool in Slab or Roll

Volcalis **COMFORT** is suitable for multiple applications, ideal for increasing the thermal and acoustic comfort of buildings.

**ALPHA**  
λ35



### Mineral Wool with improved performance

Volcalis **ALPHA**, mineral wool with improved performance. Non-combustible, of very low thermal conductivity, and excellent acoustic performance.

**ALPHA PLUS**  
λ32



### Mineral wool with high thermal resistance

Volcalis **ALPHA PLUS**, mineral wool in panel or roll with high thermal resistance. With excellent thermal and acoustic properties.



# Mineral Wool

## Slab and Roll

# EASY



λ40

## Mineral Wool in Roll

Volcalis **EASY**, mineral wool roll with or without coating.

Light and easy to apply, with good thermal and acoustic performance.

### Applications

Volcalis **EASY** is an excellent thermal and acoustic insulation for application in all types of buildings.

Suitable for use in construction and rehabilitation works such as: ceilings, pitched roofs and built-up metal roofs and facades.

### Benefits

- Good thermal performance, contributes to the comfort of buildings and reduces energy consumption.
- Due to its internal structure, it is an excellent acoustic insulation.
- Fire resistant, not combustible or conductive to heat.
- Results from a sustainable process that uses raw materials and advanced technologies of high efficiency. It's a 100% recyclable product.



Ceilings



Pitched roofs



Metal roofs



Metal facades

## EASY Roll Kraft Paper

λ40



### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>80</b>
Width (mm)	600 / 1 200		
Length (mm)	14 400	12 000	10 000

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,50	2,00
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Thermal Conductivity (W/m.K): **0,040** Reaction to Fire: **F**

Resistance to Water Vapor Z (m<sup>2</sup>.h.Pa/mg): **3**

### Dimensions

Thickness (mm)	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>200</b>	<b>220</b>	<b>240</b>	<b>260</b>	<b>280</b>
Width (mm)	1 200								
Length (mm)	8 000	7 000	6 000	5 200	4 600	4 000	3 600	3 200	2 800

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	2,50	3,00	3,50	4,00	5,00	5,50	6,00	6,50	7,00
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Thermal Conductivity (W/m.K): **0,040** Reaction to Fire: **F**

Resistance to Water Vapor Z (m<sup>2</sup>.h.Pa/mg): **3**

### Product

Roll coated on one side with a vapor barrier on kraft paper.

### Benefits

- Easy to handle and with soft touch.
- Good thermal and acoustic performance.



Certificates



MW-EN13162-T1-Z3



ACERMI CERTIFICATE N° 20/252/1473  
Thickness: 60 to 280



## EASY Roll

λ40



### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>80</b>	<b>90</b>	<b>100</b>	<b>120</b>	<b>140</b>	<b>160</b>	<b>200</b>	<b>220</b>
Width (mm)	1 200									
Length (mm)	14 400	12 000	10 000	9 000	8 000	7 000	6 000	5 200	4 600	4 000

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,50	2,00	2,25	2,50	3,00	3,50	4,00	5,00	5,50
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Thermal Conductivity (W/m.K): **0,040** Reaction to Fire: **A1**

Water Vapor Resistance Diffusion Factor (μ): 1

### Product

Uncoated roll for application in ceilings and metal roofs.

### Benefits

- Good thermal and acoustic performance.
- Fácil de manusear e com toque suave.



### Certificates



MW-EN13162-T1-MU1



ACERMI CERTIFICATE Nº 20/252/1471  
Espessuras: 60 a 220



## EASY Roll Alu Kraft

λ40



### Dimensions

Thickness (mm)	<b>60</b>	<b>80</b>	<b>100</b>	<b>200</b>
Width (mm)	1 200			
Length (mm)	12 000	10 000	8 000	4 000

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,50	2,00	2,50	5,00
--	------	------	------	------

Thermal Conductivity (W/m.K): **0,040** Reaction to Fire: **B-s1,d0**

Resistance to Water Vapor Z (m<sup>2</sup>.h.Pa/mg): **9**

### Product

Roll coated on one side with a vapor barrier on aluminum.

### Benefits

- Good thermal and acoustic performance.
- Recommended product for areas with higher humidity.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T1-Z9



## EASY Reinforced Roll

λ40



### Dimensions

Thickness (mm)	<b>60</b>	<b>80</b>	<b>100</b>	<b>180</b>
Width (mm)	1 200			
Length (mm)	10 000	7 500	6 000	3 400

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,50	2,00	2,50	4,50
--	------	------	------	------

Thermal Conductivity (W/m.K): **0,040** Reaction to Fire: **A1**

Short Term Water Absorption (kg/m<sup>2</sup>): ≤ 1

### Product

Roll reinforced on one side by a glass veil that increases tensile strength. Ideal for built-up metal facades.

### Benefits

- Good thermal and acoustic performance.
- Good mechanical resistance.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T1-WS



# Mineral Wool

## Slab and Roll

# COMFORT

## Mineral Wool in Slab or Roll

λ37

Suitable for multiple applications, ideal for increasing the thermal and acoustic comfort of buildings.

### Applications

Volcalis COMFORT is an excellent thermal and acoustic insulation for application in all types of buildings.

Suitable for use in construction and rehabilitation works, such as: partitions, ceilings, interior wall lining and ventilated facades.

### Benefits

- Good thermal behavior, contributes to the comfort of buildings and reduces energy consumption.
- Due to its internal structure, it is an excellent acoustic insulation.
- Fire resistant, not combustible or conductive to heat.
- Results from a sustainable process that uses raw materials and advanced technologies of high efficiency. It's a 100% recyclable product.



Partitions



Wall lining



Ceilings



Ventilated facades

## COMFORT Slab

λ37



### Dimensions

Thickness (mm)	50	60	70	90
Width (mm)	600			
Length (mm)	1 350			

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,35	1,60	1,85	2,40
--	------	------	------	------

Thermal Conductivity (W/m.K): **0,037** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 5** Water Vapor Resistance Diffusion Factor (μ): **1**

Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1** Absorption class EN ISO 11654: **A**

### Product

Compact slab for application in dry construction systems.

### Benefits

- Good thermal and acoustic performance.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T2-MU1-AW1-AFr5



## COMFORT Roll

λ37



### Dimensions

Thickness (mm)	50	60	70	90
Width (mm)	400 / 600			
Length (mm)	13 200	11 000	9 500	7 400

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,35	1,60	1,85	2,40
--	------	------	------	------

Thermal Conductivity (W/m.K): **0,037** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 5** Water Vapor Resistance Diffusion Factor (μ): **1**

Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1** Absorption class EN ISO 11654: **A**

### Product

Compact slab, supplied in roll, for application in dry construction systems.

### Benefits

- Available in 400 and 600 mm wide.
- Good thermal and acoustic performance.
- Easy to handle and with soft touch.



### Certificados



MW-EN13162-T2-MU1-AW1-AFr5





# Mineral Wool Slab and Roll

## COMFORT Slab Kraft Paper

λ37



### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>75</b>	<b>100</b>	<b>120</b>	<b>150</b>
Width (mm)	600					
Length (mm)	1 350					

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,35	1,60	2,00	2,70	3,20	4,05
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Thermal Conductivity (W/m.K): **0,037** Reaction to Fire: **F**

Resistance to Water Vapor Z (m<sup>2</sup>.h.Pa/mg): **3**

### Product

Compact slab of water repellent features, coated on one side with a kraft paper vapor barrier, for interior insulation of facades.

### Benefits

- Good thermal and acoustic performance.
- With embedded vapor barrier.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T2-Z3



## COMFORT Slab SR

λ37



### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>75</b>	<b>100</b>	<b>120</b>
Width (mm)	600				
Length (mm)	1 350				

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,35	1,60	2,00	2,70	3,20
--	------	------	------	------	------

Thermal Conductivity (W/m.K): **0,037** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 5** Water Vapor Resistance Diffusion Factor (μ): **1**

Short Term Water Absorption (kg/m<sup>2</sup>): **≤ 1**

### Product

Compact slab of water repellent features for interior insulation of facades.

### Benefits

- Good thermal and acoustic performance.
- Easy to handle and with soft touch.



### Certificates



MW-EN 13162-T2-MU1-WS-AFr5



## COMFORT Roll Black Veil

λ37



### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
Width (mm)	600				
Length (mm)	11 500	9 500	7 200	5 800	4 800

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,35	1,60	2,15	2,70	3,20
--	------	------	------	------	------

Thermal Conductivity (W/m.K): **0,037** Reaction to Fire: **A1** Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 5**

Short Term Water Absorption (kg/m<sup>2</sup>): **≤ 1**

### Product

Thermal and acoustic slab, supplied in roll, coated on one side by a black veil, ideal for ventilated facades.

### Benefits

- Good thermal and acoustic performance.
- Non-combustible and water repellent.
- High mechanical resistance.



### Certificates



MW-EN13162-T2-WS-AFr5



# Mineral Wool

## Slab and Roll

# ALPHA

λ35

## Mineral Wool in Slab or Roll with Improved Performance

Non-combustible, of very low thermal conductivity, and with excellent acoustic performance.

### Applications

Volcalis ALPHA is an excellent thermal and acoustic insulation for application in all type of buildings.

Suitable for use in construction and rehabilitation works, such as: partitions, wall linings, ceilings and ventilated facades.

### Benefits

- Very good thermal performance, contributes to the comfort of buildings and reduces energy consumption.
- Due to its internal structure, it is an excellent acoustic insulation.
- Fire resistant, not combustible or conductive to heat.
- Results from a sustainable process that uses raw materials and advanced technologies of high efficiency. It's a 100% recyclable product.



Partitions



Wall lining



Ceilings



Ventilated facades

## ALPHA Slab

λ35



### Dimensions

Thickness (mm)	45	60	85	100
Width (mm)	600			
Length (mm)	1 350			

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,70	2,40	2,85
--	------	------	------	------

Thermal Conductivity (W/m.K): **0,035** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 10** Water Vapor Resistance Diffusion Factor (μ): **1**

Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1** Absorption class EN ISO 11654: **A**

### Product

Compact semi-rigid slab of excellent acoustic performance for application in dry construction systems.

### Benefits

- Very good thermal and acoustic performance.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T2-MU1-AW1-AFr10



ACERMI CERTIFICATE N° 23/252/1607  
Thickness: 45 a 100



## ALPHA Roll

λ35



### Dimensions

Thickness (mm)	45	60	70	85	100
Width (mm)	400 / 600				600
Length (mm)	12 200	10 200	8 500	7 000	6 000

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,70	2,00	2,40	2,85
--	------	------	------	------	------

Thermal Conductivity (W/m.K): **0,035** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 10** Water Vapor Resistance Diffusion Factor (μ): **1**

Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1** Absorption class EN ISO 11654: **A**

### Product

Compact semi-rigid slab, supplied in roll, of excellent acoustic performance for application in dry construction systems.

### Benefits

- Very good thermal and acoustic performance.
- Easy to handle and with soft touch.



### Certificates



MW-EN13162-T2-MU1-AW1-AFr10



ACERMI CERTIFICATE N° 23/252/1607  
Thickness: 45 a 100





## ALPHA Slab Kraft Paper

**λ35**


### Dimensions

Thickness (mm)	<b>45</b>	<b>60</b>	<b>85</b>
Width (mm)		600	
Length (mm)		1 350	

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,70	2,40
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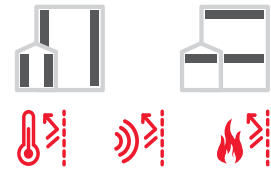
Thermal Conductivity (W/m.K): **0,035** Reaction to Fire: **F**  
Resistance to Water Vapor Z (m<sup>2</sup> .h.Pa/mg): **3**

### Product

Compact semi-rigid slab of water repellent features, coated on one side with a kraft paper vapor barrier, for dry construction systems.

### Benefits

- With embedded vapor barrier.
- Good thermal behavior, contributes to the comfort of buildings and reduces energy consumption.



### Certificates



MW-EN13162-T2-Z3


 ACERMI CERTIFICATE N° 23/252/1609  
Thickness: 45 a 85


## ALPHA Slab Black Veil

**λ35**


### Dimensions

Thickness (mm)	<b>30</b>	<b>40</b>
Width (mm)		600
Length (mm)		1 350

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	0,85	1,10
--	------	------

Thermal Conductivity (W/m.K): **0,035** Reaction to Fire: **A1**

Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 10**

Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1** Absorption class EN ISO 11654: **A**

### Product

Compact semi-rigid thermal and acoustic slab, supplied in roll, coated on one side by a black veil, ideal for ventilated facades.

### Benefits

- High acoustic absorption.
- Improved aesthetic effect.



### Certificates



MW-EN13162-T2-AW1-AFr10



## ALPHA Roll Black Veil

**λ35**


### Dimensions

Thickness (mm)	<b>50</b>	<b>60</b>	<b>80</b>	<b>100</b>	<b>120</b>
Width (mm)			600		
Length (mm)	10 000	8 000	6 000	5 000	4 200

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,40	1,70	2,25	2,85	3,40
--	------	------	------	------	------

Thermal Conductivity (W/m.K): **0,035** Reaction to Fire: **A1** Air Flow Resistivity (kPa.s/m<sup>2</sup>): **≥ 10**

Short Term Water Absorption (kg/m<sup>2</sup>): **≤ 1** Weighted Sound Absorption Coefficient EN ISO 11654 (α<sub>w</sub>): **1**

Absorption class EN ISO 11654: **A**

### Product

Thermal and acoustic slab, supplied in roll, coated on one side by a black veil, ideal for ventilated facades.

### Benefits

- Very good thermal and acoustic performance.
- Not combustible and water repellent.
- High mechanical resistance.



### Certificates



MW-EN13162-T2-WS-AW1-AFr10



# Mineral Wool

## Slab and Roll

# ALPHA PLUS

**λ32**

## Mineral Wool in Panel or Roll with high thermal resistance

Semi-rigid compact panel, supplied in panel or roll, with excellent thermal and acoustic properties, with or without coating, for application in construction and rehabilitation systems.

### Applications

Volcalis ALPHA PLUS is an excellent thermal and acoustic insulation for application in all types of buildings.

Suitable for use in construction and rehabilitation works, such as: partitions, wall lining, ceilings, roofs and facades.

### Benefits

- Excellent thermal performance with smaller thickness.
- Easy to handle and with soft touch.
- Due to its internal structure, it is an excellent acoustic insulation.
- Fire resistant, not combustible or conductive to heat.
- Results from a sustainable process that uses raw materials and advanced technologies of high efficiency. It's a 100% recyclable product.



Partitions and Wall lining



Ceilings



Pitched roofs



Ventilated facades

## ALPHA PLUS Roll

**λ32**



Dimensions	NEW!	NEW!	NEW!	NEW!
Thickness (mm)	40	50	60	80
Width (mm)	400 / 600			
Length (mm)	8 500	7 000	6 000	4 500

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,55	1,85	2,50
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>A1</b> Short Term Water Absorption (kg/m <sup>2</sup> ): ≤ 1			
Water Vapor Resistance Diffusion Factor (μ): <b>1</b>	Air Flow Resistivity (kPa.s/m <sup>2</sup> ): ≥ 10			

Dimensions	NEW!	NEW!	NEW!	NEW!
Thickness (mm)	100	120	140	160
Width (mm)	600			
Length (mm)	3 500	3 000	2 500	2 200

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	3,10	3,75	4,35	5,00
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>A1</b> Short Term Water Absorption (kg/m <sup>2</sup> ): ≤ 1			
Water Vapor Resistance Diffusion Factor (μ): <b>1</b>	Air Flow Resistivity (kPa.s/m <sup>2</sup> ): ≥ 10			

### Product

Compact semi-rigid slab, supplied in roll, of excellent acoustic performance for application in dry construction systems.

### Benefits

- Excellent thermal performance with smaller thickness.
- Not combustible and water repellent.



### Certificates



MW - EN13162 - T2 - MU1-WS - AFR10 - AW0,85 (40mm)  
MW - EN13162 - T2 - MU1-WS - AFR10 - AW1 (≥50 mm)





# Mineral Wool

## Slab and Roll

### ALPHA PLUS Slab

λ32



Dimensions	NEW!	NEW!	NEW!	NEW!
Thickness (mm)	40	50	60	80
Width (mm)	600			
Length (mm)	1 350			

Technical Data	NEW!	NEW!	NEW!	NEW!
Thermal Resistance (m <sup>2</sup> .K/W)	1,25	1,55	1,85	2,50
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>A1</b> Short Term Water Absorption (kg/m <sup>2</sup> ): ≤ 1			
Water Vapor Resistance Diffusion Factor (μ): <b>1</b>	Air Flow Resistivity (kPa.s/m <sup>2</sup> ): ≥ 10			

Dimensions	NEW!	NEW!	NEW!	NEW!
Thickness (mm)	100	120	140	160
Width (mm)	600			
Length (mm)	1 350			

Technical Data	NEW!	NEW!	NEW!	NEW!
Thermal Resistance (m <sup>2</sup> .K/W)	3,10	3,75	4,35	5,00
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>A1</b> Short Term Water Absorption (kg/m <sup>2</sup> ): ≤ 1			
Water Vapor Resistance Diffusion Factor (μ): <b>1</b>	Air Flow Resistivity (kPa.s/m <sup>2</sup> ): ≥ 10			

#### Product

Compact semi-rigid slab, of excellent thermal performance for application in dry construction systems.

#### Benefits

- Excellent thermal performance with smaller thickness.
- Not combustible and water repellent.



#### Certificates



MW - EN13162 - T2 -MU1-WS - AFR10 - AW0,85 (40mm)  
MW - EN13162 - T2 -MU1-WS - AFR10 - AW1 (≥50 mm)



### ALPHA PLUS Slab Kraft Paper

λ32



Dimensions	NEW!	NEW!	NEW!
Thickness (mm)	50	60	80
Width (mm)	600		
Length (mm)	1 350		

Technical Data	NEW!	NEW!	NEW!
Thermal Resistance (m <sup>2</sup> .K/W)	1,55	1,85	2,50
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>F</b>		
Resistance to Water Vapor Z (m <sup>2</sup> .h.Pa/mg): <b>3</b>			

Dimensions	NEW!	NEW!
Thickness (mm)	100	120
Width (mm)	600	
Length (mm)	1 350	

Technical Data	NEW!	NEW!
Thermal Resistance (m <sup>2</sup> .K/W)	3,10	3,75
Thermal Conductivity (W/m.K): <b>0,032</b>	Reaction to Fire: <b>F</b>	
Resistance to Water Vapor Z (m <sup>2</sup> .h.Pa/mg): <b>3</b>		

#### Product

Compact semi-rigid slab, of excellent thermal performance, coated on one side with a kraft paper vapor barrier, for dry construction systems.

#### Benefits

- With embedded vapor barrier.
- Excellent thermal performance with smaller thickness.



#### Certificates



MW-EN13162-T2-Z3



# Volcalis

## Informations



[www.volcalis.pt](http://www.volcalis.pt)

**More than a website,  
a work tool**

Volcalis makes available online all commercial and technical information and documents, such as product catalogs, technical sheets, certifications, tests and forms of application.



### SOLUTION MANAGER

**Technical information,  
details and budget**

Instant access to all technical documentation. The online platform provides in detail the most appropriate and tested solutions and systems for the national market.



Now with  
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Modelling  
methodology

[www.solucoesparaconstrucao.com](http://www.solucoesparaconstrucao.com)





### GRUPO PRECERAM

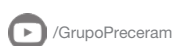
The Preceram Group is a family-owned group made up of several Portuguese companies with huge experience and a broad knowledge of the construction sector and building materials market.

The Preceram Group has facilities in Pombal, Águeda, Oliveira do Bairro and Figueira da Foz, where its manufacturing units produce a wide range of products for the construction business, and also has a complete and versatile distribution fleet that covers the entire national territory.



## Solutions

for Construction





### Distribution

Volcalis plant is located in the centre of Portugal, and has easy access to maritime, rail and roadway networks. It is close to the port of Aveiro which allows the shipment of large quantities of mineral wool to the whole world.



Volcalis  
N 40.50356  
W 8.61501



# Volcalis

mineral insulation

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