

# Volcalis

mineral insulation



## ALPHA

### Mineral Wool in Roll with Improved Performance

$\lambda 35$

Compact semi-rigid slab, supplied in roll, of 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 lining and ceilings.



Partitions



Wall lining



Ceilings

#### 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.



thermal insulation



acoustic insulation



non-combustible



all around application



sustainable process



comfortable application

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startupdesign.pt

## ALPHA Roll



### Dimensions

Thickness (mm)	50		60		70		85		100	140
Width (mm)	400	600	400	600	400	600	400	600	600	1 200
Length (mm)	12 000		10 200		8 500		7 000		6 000	4 000

### Logistics

Un. Packing	3	2	3	2	3	2	3	2	2	1
m² Packing	14,40		12,24		10,20		8,40		7,20	4,80
Packing by Pallet	24									
m² Pallet	345,60		293,76		244,80		201,60		172,80	115,20

### Technical Data

Thermal Resistance (m <sup>2</sup> .K/W)	1,40	1,70	2,00	2,40	2,85	4,00
Thermal Conductivity (W/m.K)	0,035					
Reaction to Fire	A1					
Thickness Tolerance	T2					
Air Flow Resistivity (kPa.s/m <sup>2</sup> )	≥ 10					
Water Vapor Resistance Diffusion Factor (μ)	1					
Designation Code	MW-EN13162-T2-MU1-AW1-AFr10					

### Sound absorption (EN ISO 11654)

Weighted coefficient (α <sub>w</sub> )	1
Absorption class	A

### Transportation and Storage

It is not a dangerous product and therefore does not require special transport precautions. Store in a dry place, protected from moisture and sun. Do not store outside of the original packaging. The packagings are coated with thermo-retractable polyethylene film and later packed with a Multipack system.

### Installation

Easy to handle product. After opening the packaging, wait about 5 minutes for the product to recover to the desired thickness. During installation, wear long-sleeved clothing and gloves. If work is done above eye level, wear a mask and goggles.

### Certificates



Designed and manufactured in Portugal

Additional information available at [www.volcalis.pt](http://www.volcalis.pt)

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