

Volcalis

mineral insulation



ALPHA

Mineral Wool Acoustic Absorbent Slab

Thermal and acoustic slab, with high acoustic absorption, covered on one side by a black veil. Ideal for ceilings.



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 ceilings.



Ceilings

Benefits

- Very good thermal and acoustic behavior.
- Improved aesthetic effect.
- Non-combustible and water repellent.
- Fabric with high mechanical resistance.
- Easy to apply and to handle.
- 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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DOC.04.01-026/REV.02
startupsdesign.pt

ALPHA Slab Black Veil



Dimensions

Thickness (mm)	30	40
Width (mm)	600	
Length (mm)	1 350	

Logistics

Un. Packing	20	15
m ² Packing	16,20	12,15
Packing by Pallet	24	
m ² Pallet	388,80	291,60

Technical Data

Thermal Resistance (m ² .K/W)	0,85	1,10
Thermal Conductivity (W/m.K)	0,035	
Reaction to Fire	A1	
Thickness Tolerance	T2	
Air Flow Resistivity (kPa.s/m ²)	≥ 10	
Short Term Water Absorption (kg/m ²)	≤ 1	
Long Term Water Absorption (kg/m ²)	≤ 3	
Designation Code	MW-EN13162-T2-WS-AW1-AFr10	

Sound absorption (EN ISO 11654)

Weighted coefficient (α_w)	1
Absorption class	A

Coefficient of sound absorption (α_S)

Freq. (Hz)	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_S (e=40 mm)	0,12	0,21	0,23	0,55	0,66	0,87	0,96	0,99	1,01	1,13	1,05	1,02	1,02	1,04	1,07	1,07	1,03	1,06

Essay ITeCons, EN ISO 354, ACL 069/19 ALPHA 40 mm

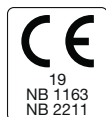
Transportation and Storage

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

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.

Additional information available at www.volcalis.pt