

Volcalis

mineral insulation



ALPHA PLUS

Mineral Wool Acoustic Absorbent Slab


 α 32

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

Applications

Volcalis ALPHA PLUS 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.



Benefits

- High acoustic absorption.
- Improved aesthetic effect.
- Excellent thermal behavior.
- Easy to apply and to handle.
- 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

ALPHA PLUS Slab Black Veil



Dimensions

Thickness (mm)	40	50
Width (mm)	600	
Length (mm)	1 350	

Logistics

Un. Packing	10	2
m ² Packing	8,10	6,48
Packing by Pallet	24	
m ² Pallet	194,40	155,52

Technical Data

Thermal Resistance (m ² .K/W)	1,25	1,55
Thermal Conductivity (W/m.K)	0,032	
Reaction to Fire	A1	
Thickness Tolerance	T2	
Air Flow Resistivity (kPa.s/m ²)	≥ 10	
Short Term Water Absorption (kg/m ²)	≤ 1	
Designation Code	MW-EN13162-T2-WS-AFr10-AW0,85(40mm) MW-EN13162-T2-WS-AFr10-AW1(≥50 mm)	

Sound absorption (EN ISO 11654)

Weighted coefficient (α_w)	0,85	1
Absorption class	B	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)	0,06	0,20	0,24	0,41	0,49	0,68	0,87	0,88	0,96	1,01	0,98	1,02	1,03	1,02	1,02	1,03	1,07	1,07
α_s (e=50 mm)	0,24	0,18	0,32	0,62	0,75	0,96	1,05	1,12	1,13	1,17	1,09	1,03	1,07	1,07	1,00	1,07	1,09	1,06

Essay ITeCons, EN ISO 354, ACL 016/23 ALPHA PLUS 40 mm, ACL 173/23 ALPHA PLUS 50 mm

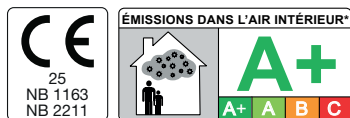
Transportation and Storage

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

Additional information available at www.volcalis.pt

Bustos, Portugal · T (+351) 234 751 533 · geral@volcalis.pt · www.volcalis.pt