

Volcalis

mineral insulation



ALPHA

Mineral Wool in Slab with Improved Performance

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


 λ 35

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

Volcalis

mineral insulation

λ35

DOC.04.01-022/REV.06
startupdesign.pt

ALPHA Slab



Dimensions

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

Logistics

Un. Packing	18	14	8	6
m ² Packing	14,58	11,34	6,48	4,86
Packing by Pallet	24			
m ² Pallet	349,92	272,16	155,52	116,64

Technical Data

Thermal Resistance (m ² .K/W)	1,25	1,70	2,40	2,85
Thermal Conductivity (W/m.K)	0,035			
Reaction to Fire	A1			
Thickness Tolerance	T2			
Air Flow Resistivity (kPa.s/m ²)	≥ 10			
Water Vapor Resistance Diffusion Factor (μ)	1			
Designation Code	MW-EN13162-T2-MU1-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=45 mm)	0,06	0,17	0,24	0,56	0,64	0,91	0,95	1,11	1,12	1,14	1,08	1,03	1,07	1,07	1,08	1,04	1,03	1,05
α _s (e≥60 mm)	0,12	0,26	0,36	0,54	0,72	0,90	0,99	1,05	1,04	1,10	1,08	1,03	1,04	1,04	1,02	1,07	1,04	1,03

Essays ITeCons, EN ISO 354, ACL 345/18 ALPHA 45 mm, ACL 325/18 ALPHA 60 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

