

# Volcalis

mineral insulation



## ALPHA PLUS

### Mineral Wool Roll with High Thermal Resistance

  
 **$\lambda 32$**

Semi-rigid compact slab, supplied in roll, coated on one side by a black veil, with excellent thermal properties, for application on facades.

#### 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 facades and ventilated facades.



#### Benefits

- Excellent thermal behavior with less thickness.
- Easy to apply and to handle.
- Due to its internal structure, it is an excellent acoustic insulation.
- 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 Roll Black Veil



### Dimensions

|                |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|
| Thickness (mm) | 50    | 60    | 80    | 100   | 120   | 140   | 160   |
| Width (mm)     | 600   |       |       |       |       |       |       |
| Length (mm)    | 5 800 | 4 800 | 3 600 | 2 900 | 2 400 | 2 100 | 1 800 |

### Logistics

|                   |        |        |        |       |       |       |       |
|-------------------|--------|--------|--------|-------|-------|-------|-------|
| Un. Packing       | 2      |        |        |       |       |       |       |
| m² Packing        | 6,96   | 5,76   | 4,32   | 3,48  | 2,88  | 2,52  | 2,16  |
| Packing by Pallet | 24     |        |        |       |       |       |       |
| m² Pallet         | 167,04 | 138,24 | 103,68 | 83,52 | 69,12 | 60,48 | 51,84 |

### Technical Data

|                                     |                            |      |      |      |      |      |      |
|-------------------------------------|----------------------------|------|------|------|------|------|------|
| Thermal Resistance (m².K/W)         | 1,55                       | 1,85 | 2,50 | 3,10 | 3,75 | 4,35 | 5,00 |
| Thermal Conductivity (W/m.K)        | 0,032                      |      |      |      |      |      |      |
| Reaction to Fire                    | A1                         |      |      |      |      |      |      |
| Thickness Tolerance                 | T2                         |      |      |      |      |      |      |
| Air Flow Resistivity (kPa.s/m²)     | ≥ 10                       |      |      |      |      |      |      |
| Short Term Water Absorption (kg/m²) | ≤ 1                        |      |      |      |      |      |      |
| Designation Code                    | MW-EN13162-T2-WS-AFr10-AW1 |      |      |      |      |      |      |

### Sound absorption (EN ISO 11654)

|                                     |   |
|-------------------------------------|---|
| Weighted coefficient ( $\alpha_w$ ) | 1 |
| Absorption class                    | A |

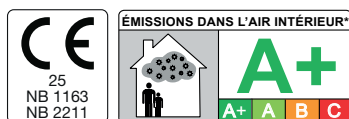
### Transportation and Storage

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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