



## DESCRIPTION

**Alveoltec®** is a construction system consisting of fireproof gypsum alveolar blocks with tongue-and-groove edges which make up self-bearing, allowing to create interior divisions in building, as well as fire-resistant shafts.

## USES

According to the TBC, the fire compartment in the living spaces must be continued in the hidden spaces, such as shafts, chambers, false ceilings, raised floors, etc., except for when they have compartments in respect of the ducts unless they have the same fire resistance, which may be reduced in half in the maintenance of records.

The fire resistance required to the fire compartment elements must be maintained in the points where such elements are traversed by elements of the installations, such as cables, pipes, ducts, ventilation ducts, etc. To that end, a choice may be made of the following alternatives:

- Placing an element which, in case of a fire, automatically blocks the cross section and guarantees in such place a fire resistance equal at least to the one of the traversed element, for example, a fire dumper EI t (i↔o) being t the fire resistance time required to the traversed compartment element, or an intumescent blocking device.
- Bearing elements that provide a fire resistance at least equal to the one of the traversed element, for example, ventilation ducts EI t (i↔o) being t the fire resistance time required to the traversed compartment element.

## FIELDS OF APPLICATION

**Alveoltec®** is intended for the compartment of hidden living, such as shafts.

The application is based on the fire resistance of service installations, in particular “*shafts for service*”.

## PRESENTATION

**Alveoltec®** is a fireproof gypsum alveolar block of white colour with standard dimensions 660 x 500 x 70 mm.

## INSTALLATION METHOD

The installation system for shafts is very simple, easy and effective. This system is installed without the need of screws, it only requires a gluing system with **Tecbor® Bonding compound**.

Use only **Tecbor® Bonding compound** when installing the **Alveoltec®** blocks.

## PACKAGING

**Alveoltec®** is packed in 12 m<sup>2</sup> pallets (40 blocks per pallet).

## ADVANTAGES

- Solid partition wall
- Economic
- Quick and easy to install
- Low thickness

- Resistant to: fire, humidity and impact
- Comfort
- Enable acoustic solutions
- Acceptability of coatings

## FEATURES

Alveoltec® System: Fire resistant shafts	
<b>Thickness:</b>	70 mm
<b>Block weight:</b>	14 kg/block (approx.)
<b>Structural weight:</b>	42 kg/m <sup>2</sup> (approx.)
<b>Material performance:</b>	3 blocks/m <sup>2</sup>
<b>Acoustic insulation:</b>	STC: 30 dB
<b>Fire resistance:</b>	EI 120 according to UNE-EN 1366-5
<b>Installation performance:</b>	35 m <sup>2</sup> H/d raised 12-15 m <sup>2</sup> H/d finished

## STORAGE

Store under cover, protected from sunlight and rain in its original pallet on a flat surface.

Maximum stack up: 2 pallets in height

Do not keep it under 0 °C or excessively high temperatures.

## SAFETY AND HYGIENE

When handling **Alveoltec®**, take into account the following considerations:

- Wearing safety gloves is recommended
- Respect the usual safety and hygiene measures

Consult the safety data sheet for further informations about the product.