



# AIRMIX 10/20 mm with/without veil

Noise absorbent for partition walls and detachable ceilings

## walls + ceilings



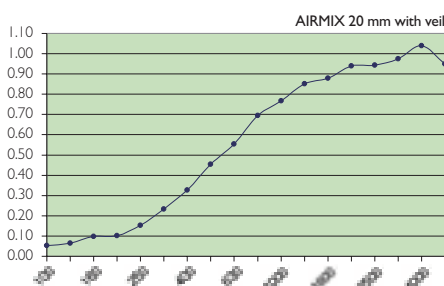
### Description

A sheet of felt of white cotton agglomerated textile fibres with fire-proof thermo-hardening resin. It comes in 10 and 20 mm thicknesses and for greater protection, the AIRMIX can be supplied with a veil of polyester on one of its sides.

### Application

It increases acoustic absorption in: chambers of double party walls whether brick or drywalls, reinforced walls or false ceilings, on detachable plaster ceiling tiles.

### Acoustic reduction



Frequency (Hz)	AIRMIX 20 mm	Frequency (Hz)	AIRMIX 20 mm
100	0.05	800	0.70
125	0.06	1000	0.77
160	0.10	1250	0.85
200	0.10	1600	0.88
250	0.15	2000	0.94
315	0.23	2500	0.94
400	0.33	3150	0.97
500	0.45	4000	1.04
630	0.55	5000	0.95

Test carried out as per UNE 20534 standard in APPLUS.



technical specifications available at our website in PDF format

## SYSTEM

### Floor

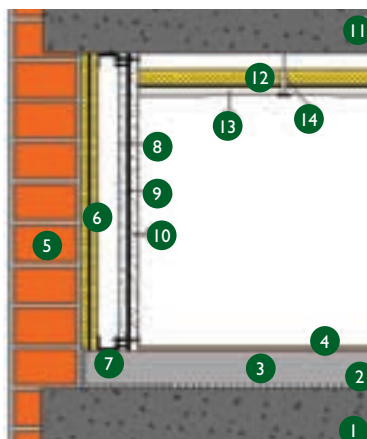
- 1 Lower framework
- 2 Insulation, multi-layer material, sheet of EPDM + panel of compacted PU of 100 kg/m<sup>3</sup>: SOUNDMIX GM/ON, FOAMMIX
- 3 5 mm layer of mortar
- 4 Flooring

### Vertical separation

- 5 Wall of acoustic bricks
- 6 Insulation, multi-layer material, felt + sheet of EPDM + felt
- 7 46 mm thick metal profile and elastic strip.
- 8 Panel of laminated plaster
- 9 Insulation, sheet of EPDM: LAMIX
- 10 Panel of laminated plaster placed at crossed joints to the previous one

### Acoustic ceiling

- 11 Upper framework
- 12 Insulation, felt: AIRMIX
- 13 Perforated ceiling panel
- 14 Laminated plaster panel



- High acoustic absorption
- Pieces embossed to the size of false ceilings
- Thermal insulation
- M1 fire classification

## Technical data

Weight: 600/1200 ± 100 g/m<sup>2</sup> (DIN 53 854)

Thickness: 10/20 ± 2 mm (CAT MI 1001)

Flammability: Self-extinguishing (S.E.) (ISO 3795; MVSS302) up to UL94 V-2 / up to M1 classification

Smell: ≤ 3; 24hr at room temperature (VDA 270)  
 ≤ 3; 24hr at 40° C (VDA 270)  
 ≤ 3; 2hr at 80° C (VDA 270)

Fogging: > 90 % (DIN 75 201-A) (NF P 92-507)

Heat transmission coefficient:  
 K = 0.62 Kcal/m<sup>2</sup>h°C

Density: 60 ± 15 kg/m<sup>3</sup> (CAT MI 1040)

Mold resistance:  
 after 100hr at 38° C, 95% RH (CAT MI 1018)



ACOUSTIC & INSULATION TECHNIQUES



## MEASUREMENTS AND PACKING

AIRMIX	thickness	weight	format	length	width	u/pallet	package	weight pallet
	10 mm	0.6 Kg/m <sup>2</sup>	roll	max. 70 m	max.	1	stretchable	94 Kg
	20 mm	1.2 Kg/m <sup>2</sup>	panels	max. 1000 mm	2200 mm	60/30	plastic	81 Kg

## AIRMIX

### walls + ceilings



**Easy to install**



**Certified product**

### MI fire classification

## PROPERTIES

### Reduces airborne noise

AIRMIX acts as an acoustic absorber of medium and high frequencies thanks to its sound-proofing properties.

### Improves room comfort

Thanks to its high heat transmission coefficient, you obtain improved thermal comfort by reducing heat loss. The same thermal insulation is achieved with less thickness than fibre glass or other thermal insulators, leaving more space in the chamber for installations to go through.

### Fire resistance

The textile fibres and the thermo-hardening resin have been given a fireproofing treatment, meaning it is ideal for use in installations that require a high level of protection against fire.

## EASY TO INSTALL

AIRMIX is supplied in rolls for use on walls or embossed panels for false ceilings. It can be cut with a cutter and special tools are not required for handling it.

#### In party walls and reinforced walls

- 1 Cut the AIRMIX to the required size.
- 2 Install AIRMIX in the air chamber starting at the bottom and working up. Fix with plastic pins, 2 per m<sup>2</sup> (2 at the top, 1 in the middle and 2 at the bottom).
- 3 Build the other wall.

#### In false ceilings

- 1 Cut the AIRMIX to the required size if you do not have embossed panels the size of the ceiling tiles.
- 2 Put the AIRMAX on top of the false ceiling tiles. If you are using AIRMIX with veil, the veil should be on the inner side.

## Storage

Store the product in a well-ventilated area far from sources of heat. Protect the product from sunlight and atmospheric phenomena in general. Do not store out of doors. Store between 0 °C and 40 °C. Protect from dust and sand. It is not recommendable to store pallets on top of each other for long periods of time.



ACOUSTIC  
& INSULATION  
TECHNIQUES

Molí d'en Bisbe s/n Pol. Ind. Foinvasa 08110 Montcada i Reixac (Barcelona)  
Tel: 935 651 980 | Fax: 935 750 220 | [division.construccion@acousticsit.com](mailto:division.construccion@acousticsit.com) | [www.acousticsit.com](http://www.acousticsit.com)

Customer Service  
Tel: (+34) 935 651 980



ISO 9001  
ISO 14000