

AKUSTIK® PRIME



TEXTILE-TECHNICAL FIBER PANEL
FOR THE THERMO-ACOUSTIC
INSULATION OF VERTICAL
PARTITIONS

MATERIAL

Akustik® Prime is a mattress made of a technical textile thermo-insulated and sound-absorbing polyester recycled fiber of grey color, with increasing density along the thickness, non-toxic, ecological, resistant and non-perishable.

FIELDS OF APPLICATION

Akustik® Prime offers high performance of acoustic and thermal insulation in vertical partitions of the external perimeter and dividers between different residential units.

INSTALLATION

Easy and quick to apply, it can be installed dry in a cavity and can be fixed if necessary with adhesive mortar FORTECEM dB+ or by mechanical fixing. It can also be applied in dry systems of plasterboard counter-walls or plasterboard partitions inserted in the metal frame

DIMENSIONS	1200x600 mm 1200x3000 mm Other on request
THICKNESS	20 - 30 - 40 - 50 - 80 mm Other on request
SOUND INSULATION VALUES	Rw = 57,0 dB (50 mm)
THERMAL CONDUCTIVITY	$\lambda = 0,035 \text{ W/mK}$
THERMAL RESISTANCE	th. 30 mm = 0,858 m ² K/W th. 50 mm = 1,429 m ² K/W
SPECIFIC HEAT	c = 1200 J/kgK
REACTION TO FIRE	Euroclass B-s2, d0
WATER VAPOUR DIFFUSION RESISTANCE FACTOR	$\mu = 2$
WATER VAPOUR RESISTANCE	th. 30 mm = 0,06 m th. 50 mm = 0,10 m

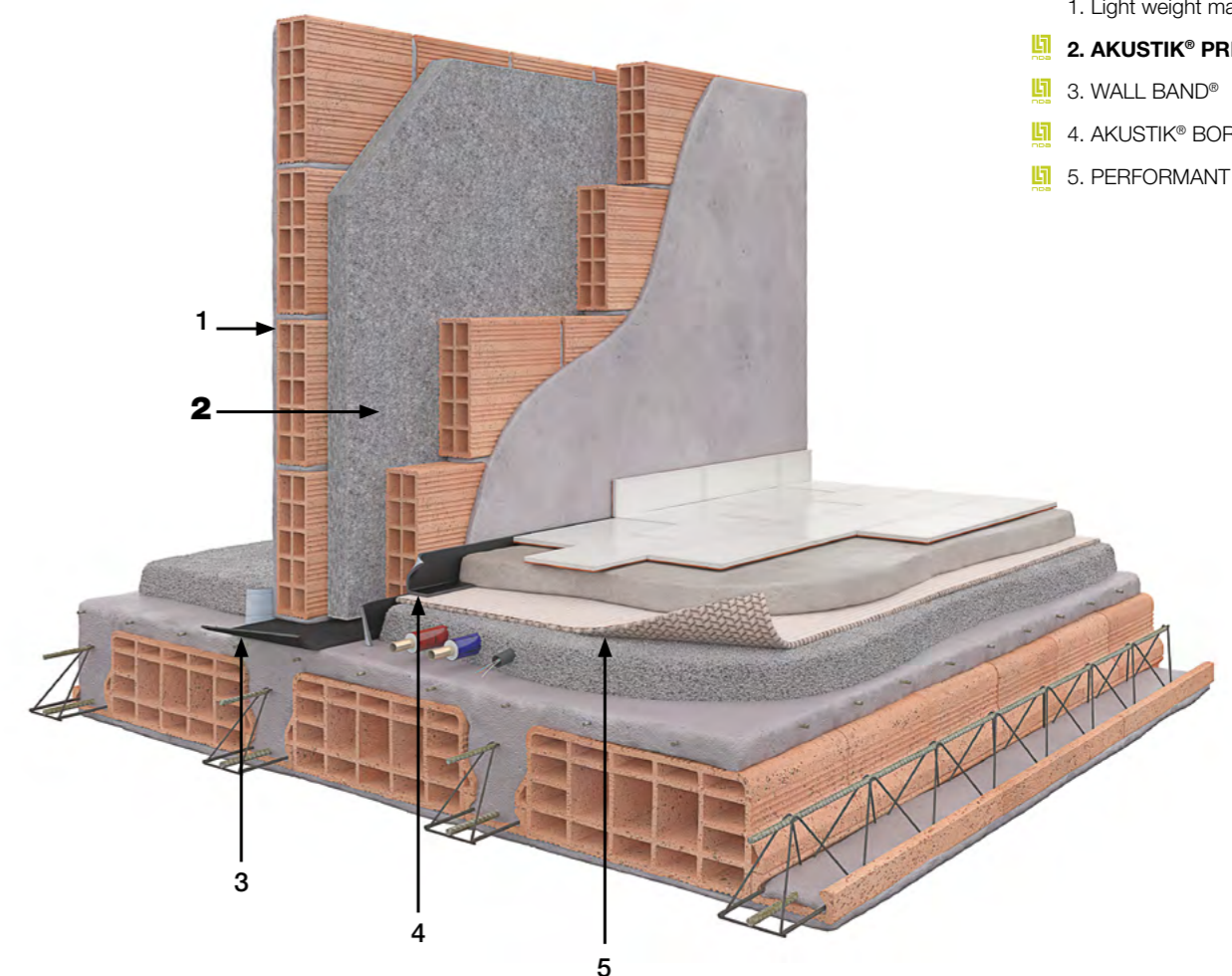
APPLICATIONS

SOUND INSULATION

THERMAL AND ACUSTIC INSULATION OF AIRCRAFT NOISES THROUGH THE CREATION OF HIGH INSULATING POWER WALLS AND CEILING

Rw = 57,0 dB

theoretical value



LEGEND

1. Light weight masonry
2. AKUSTIK® PRIME 50 mm
3. WALL BAND®
4. AKUSTIK® BORDER
5. PERFORMANT