

# THE PANELS OF SILENCE

PIONEERS FOR OVER 30 YEARS



## **SOUND INSULATORS**

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Special Plasterboards and Dry Construction Boards  
Combined Panels

## **ANTI-IMPACT NOISE**

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Polyethylene  
Rubber  
Combined Textiles  
Wall-to-Wall Bands  
Perimeters Band

## **SOUND INSULATORS**

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For masonry walls  
Lead and EPDM combined panels

## **SOUND ABSORBERS**

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Pyramid-Shaped  
Profiled  
Flat  
Baffles  
False ceiling

## **ACCESSORIES**

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Insulating Tapes  
Silencers for ventilation holes  
Adhesives  
Fixing kit for suspended panels







## THE PANELS OF SILENCE

PIONEERS FOR OVER 30 YEARS

N.D.A. activities follow international quality, environmental and health assessments protocols provided by the following accreditations:

Quality management System UNI en ISO 9001



cert. AJAEU/12/12722

Environmental management system UNI en ISO 14001:04



cert. AJAEU09/11885

Occupational Health and safety assessments series UNI EN ISO 45001:2018



cert. AJA14/AN1848

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# SOUND INSULATORS

Special Plasterboards and Dry Construction Boards  
Combined Panels



# AKUSTIK® - GIPS ART. 2

CE MARKED PRODUCT



PLASTERBOARD COMBINED WITH AN EPDM TECSOUND® HIGH MASS LAYER ON ONE SIDE, FOR SOUND INSULATION AND ANTIVIBRATION EFFECT

## MATERIAL

Akustik®-Gips Art. 2 is a special plasterboard with a high density lead rubber coating and a low elastic modules on one side named TECSOUND.

Such a combination doesn't allow the plasterboards to vibrate and increases the mass of the whole structure, improving walls and ceilings acoustic absorption. Product completely bitumen free.

WIDTH 1200 mm

LENGTH 2000 / 3000 mm

THICKNESS 15 mm (approx.)  
Dimensions tolerance according to m4 din 7715 standard, part 2

SOUND INSULATION VALUES Certified  $R_w$  from 58 dB to 67 dB depending on the constructive system

REACTION TO FIRE B-s1, d0

COMPOSITION Bilayer product composed by:  
A EPDM 2,5 mm, 5 Kg/m<sup>2</sup>  
B Plasterboard 12,5 mm

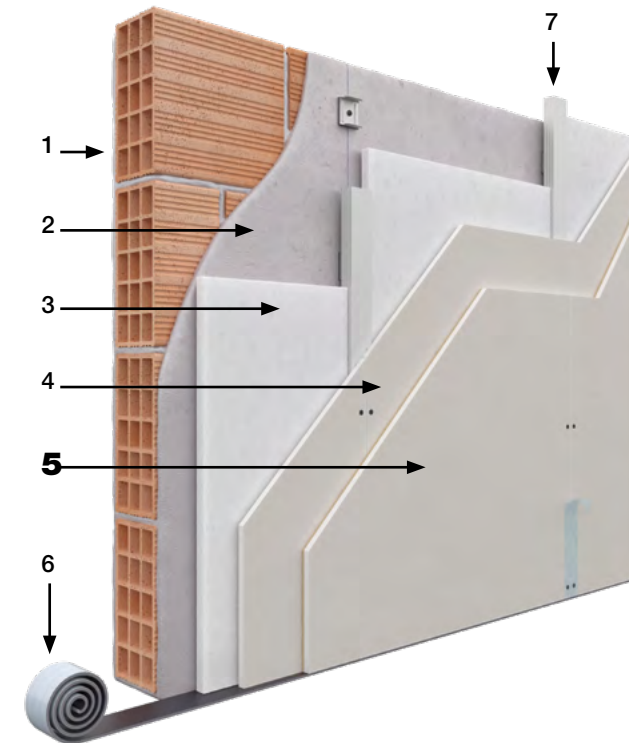
## APPLICATIONS

### COUNTERWALLS

SOUND AND THERMAL INSULATION OF EXISTING WALLS WITH HIGH PERFORMANCE SYSTEMS

$R_w = 64 \text{ dB}$

Certificate 339207 I. G.

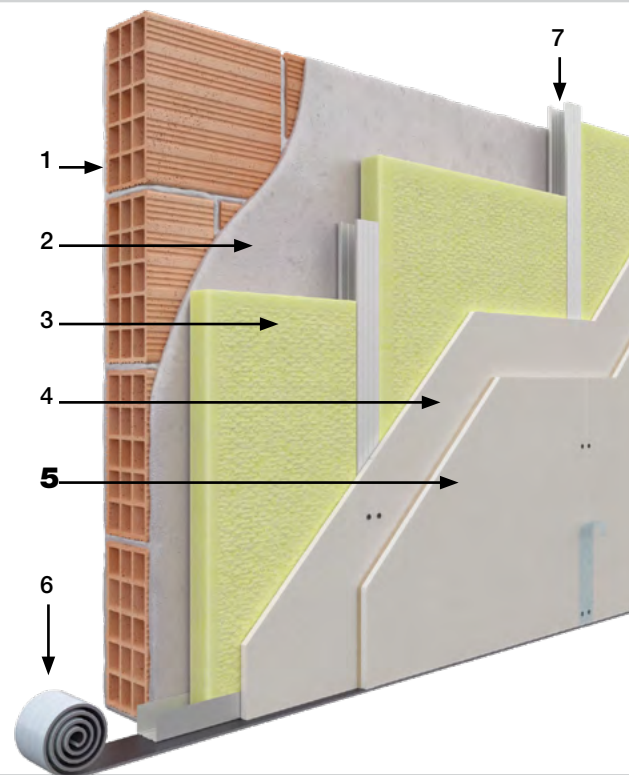
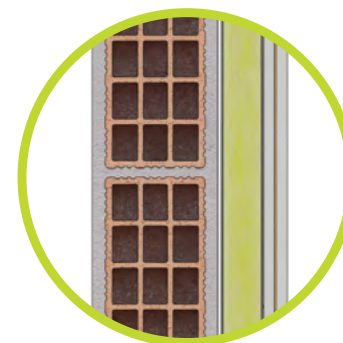


#### LEGEND

1. Light weight masonry
2. Cement mortar
3. AKUSTIK® SOFT Th 20mm D. 30 Kg/m<sup>3</sup>
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. AKUSTIK® BAND
7. Connecting clip and metal stud 50/27

$R_w = 67 \text{ dB}$

Certificate 339208 I. G.

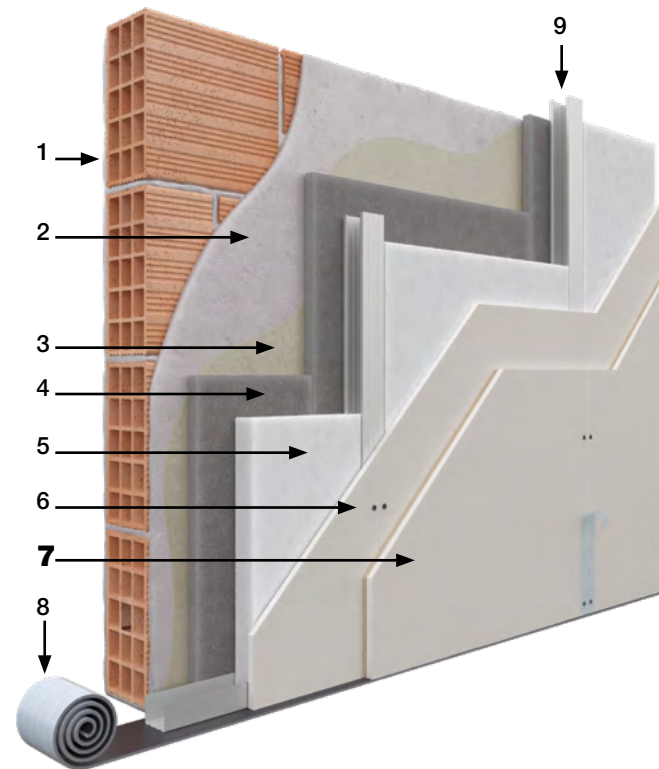


#### LEGEND

1. Light weight masonry
2. Cement mortar
3. Fiberglass Th 45 mm D. 12 Kg/m<sup>3</sup>
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 2
6. AKUSTIK® BAND
7. Guides and uprights 50 mm

**Rw = 68 dB**

Certificate 331864 I.G.

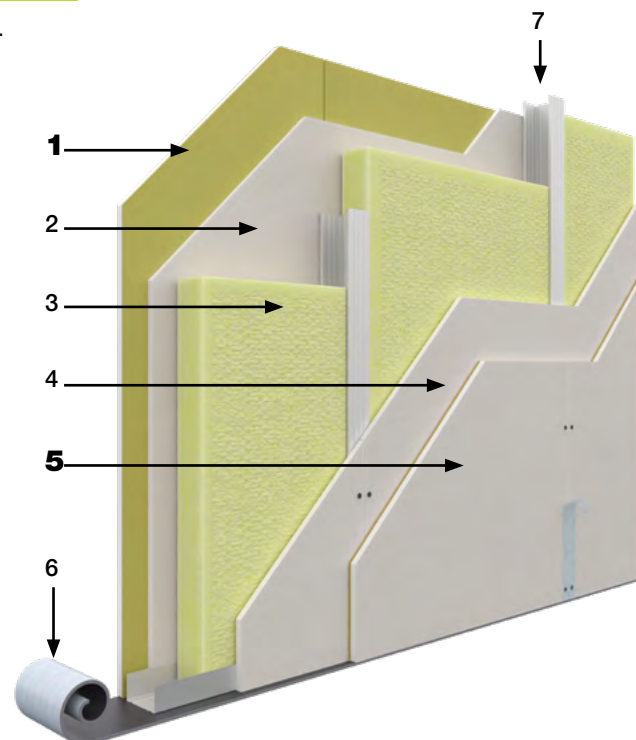
**LEGEND**

1. Light weight masonry
2. Cement mortar
3. NDA KOLL
4. AKUSTIK® METAL SILK ART. 1  
Th 20 mm PB 0,35 mm
5. AKUSTIK® SOFT Th 20mm  
D. 30 Kg/m³
6. Plasterboard  
BA 12,5 mm
7. **AKUSTIK® GIPS ART. 2**
8. AKUSTIK® BAND
9. Guides and uprights 50 mm

DRY VERTICAL PARTITIONS WITH CERTIFIED PERFORMANCE  
FOR NEW CONSTRUCTIONS OR RENOVATIONS

**Rw = 63 dB**

Certificate 266459 I.G.

**LEGEND**

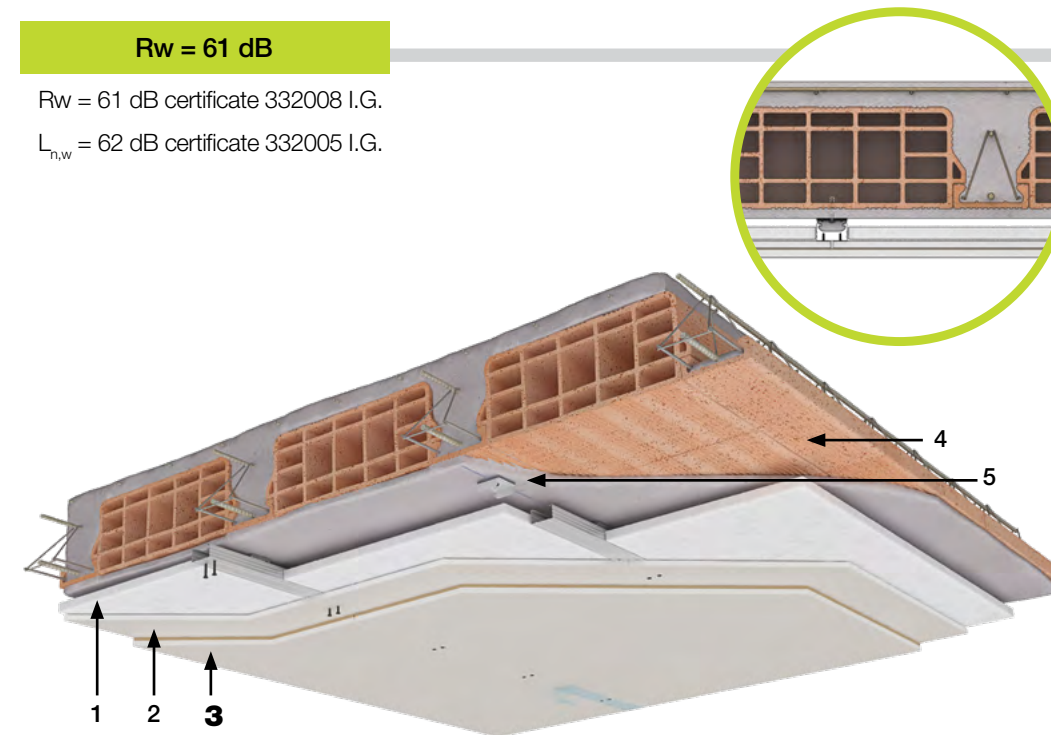
1. **AKUSTIK® GIPS ART. 2**
2. Plasterboard  
BA 12,5 mm
3. Fiberglass Th 70 mm  
D. 30 Kg/m³
4. Plasterboard  
BA 12,5 mm
5. **AKUSTIK® GIPS ART. 2**
6. AKUSTIK® BAND
7. Guides and uprights 75 mm

**APPLICATIONS****FALSE-CEILINGS**

SOUND INSULATION OF AIR AND FLOOR NOISES ON EXISTING FLOORS TO  
REALIZE HIGH INSULATION FALSE-CEILING

**Rw = 61 dB**

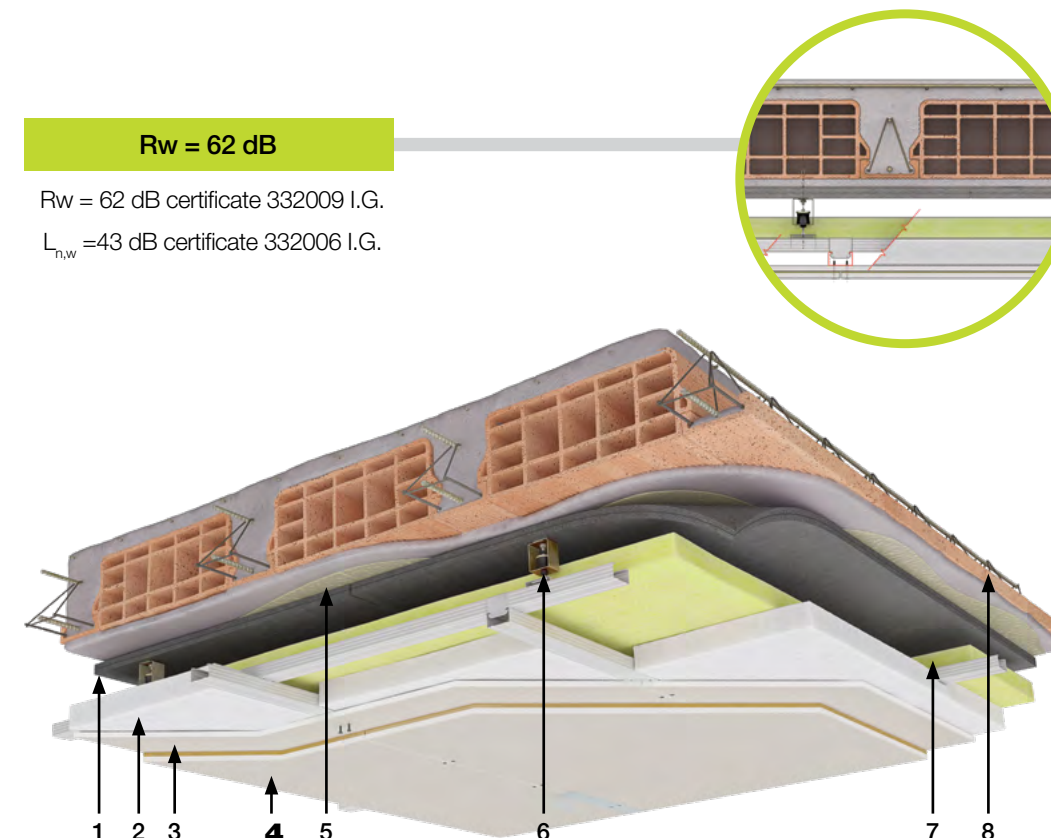
Rw = 61 dB certificate 332008 I.G.

 $L_{n,w}$  = 62 dB certificate 332005 I.G.**LEGEND**

1. AKUSTIK® SOFT Th 20mm  
D. 30 Kg/m³
2. Plasterboard  
BA 12,5 mm
3. **AKUSTIK® GIPS ART. 2**
4. Concrete slab
5. Connecting clip  
and metal stud 50/27

**Rw = 62 dB**

Rw = 62 dB certificate 332009 I.G.

 $L_{n,w}$  = 43 dB certificate 332006 I.G.**LEGEND**

1. AKUSTIK® GUM SLIK  
Th 20 mm
2. AKUSTIK® SOFT Th 50mm  
D. 30 Kg/m³
3. Plasterboard  
BA 12,5 mm
4. **AKUSTIK® GIPS ART. 2**
5. NDA KOLL
6. AKUSTIK® 1
7. Fiberglass sp. 45 mm,  
D. 12 Kg/m³
8. Concrete slab



# AKUSTIK® - GIPS ART. 3

CE MARKED PRODUCT



PLASTERBOARD WITH AN ECORUBBER® PANEL COATING ON ONE SIDE OF 750 KG/M<sup>3</sup>, FOR SOUND INSULATION AND VIBRATION-DAMPING EFFECT

## MATERIAL

Akustik®-Gips Art. 3 is the combination of a plasterboard 12.5 mm thick with Ecorubber®, a panel made of rubber granules whose density is 750 Kg/m<sup>3</sup>. This stratification allows to obtain a prefabricated element with extraordinary sound-insulating properties and reduced thickness. It is available in three version: SLIM, MEDIUM and TOP (with an hydrophobic plasterboard).

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	33 mm (TOP), 23 mm (MEDIUM), 18 mm (SLIM). Any other dimensions can be supplied on request.
SOUND INSULATION VALUES (TOP version)	Certified Rw from 50,8 to 68 dB depending on the constructive system
REACTION TO FIRE	B-s1, d0
COMPOSITION	Bilayer product composed by: <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> <div style="width: 20px; height: 10px; background-color: gray; margin-right: 5px;"></div> <div> <p><b>A</b> ECORUBBER 20 mm (TOP) - 10 mm (MEDIUM) - 5 mm (SLIM)</p> <p><b>B</b> Plasterboard 12,5 mm</p> </div> </div>

## FIELDS OF APPLICATION

Akustik®-Gips Art. 3 is widely used for partition walls and plasterboard ceilings where a very high sound insulation is required (cinemas, clubs, pubs, etc.). Furthermore, it is used for masonry walls to increase their sound-insulating power, and as partition panels, in apartments, hotel rooms, offices, in housing and commercial construction.

## INSTALLATION

Akustik®-Gips Art. 3 must be installed on prefabricated partitions with specific screws; or with FORTECEM dB+ cement mortar and mechanical fixing on existing masonry walls.

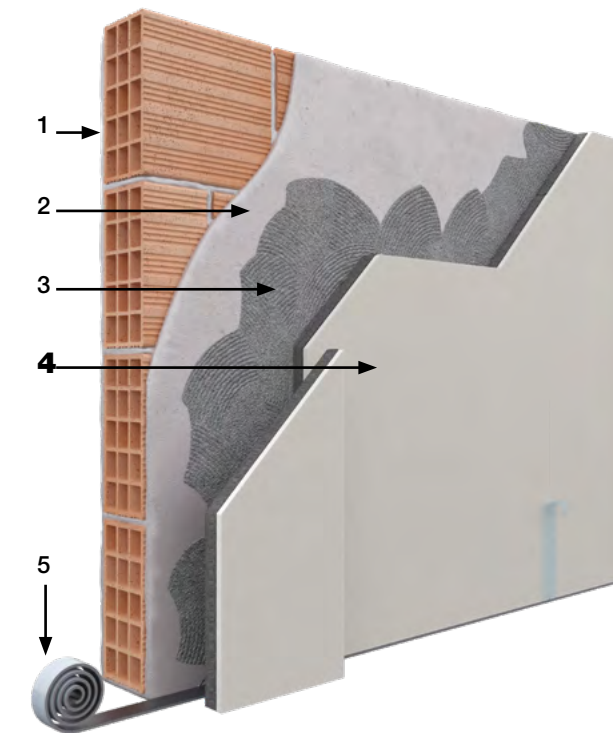
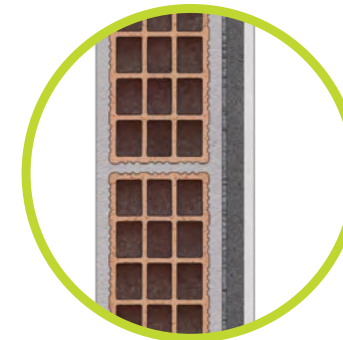
## APPLICATIONS

### WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

Rw = 61 dB

Certificate 331862 I.G.



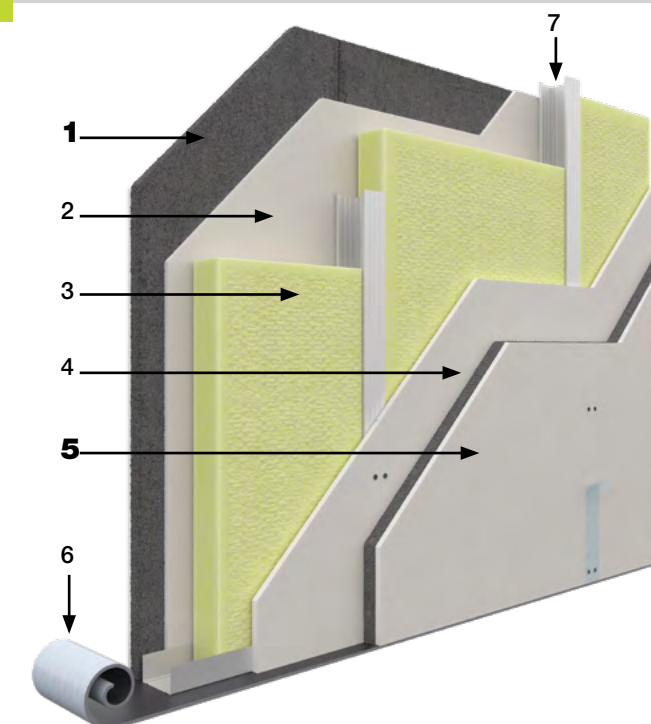
#### LEGEND

1. Light weight masonry
2. Cement mortar
3. FORTECEM dB+ glue
4. AKUSTIK® GIPS ART. 3
5. AKUSTIK® BAND

DRY VERTICAL PARTITIONS WITH CERTIFIED PERMORMANCE FOR NEW CONSTRUCTIONS OR RENOVATIONS

Rw = 64 dB

Certificate 266462 I.G.



#### LEGEND

1. AKUSTIK® GIPS ART. 3 TOP
2. Plasterboard BA 12,5 mm
3. Fiberglass Th 70 mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 3 TOP
6. AKUSTIK® BAND
7. Guides and uprights 75 mm

# AKUSTIK® - GIPS ART. 4

CE MARKED PRODUCT



PLASTERBOARD WITH A LEAD SHEET LAYER COATING ON ONE SIDE FOR THE SCREENING OF X-RAY ROOMS

## MATERIAL

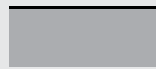




Akustik®-Gips Art. 4 is a plasterboard with a lead layer coating on one side whose thickness can go from 0.5 to 4 mm. This product is used for the screening treatment of walls and ceilings of X-ray rooms, in order to avoid the propagation of radiation. Akustik®-Gips Art. 4 is also a good sound-insulating material.

WIDTH 1200 mm

LENGTH 1000 - 2000 mm

REACTION TO FIRE B-s1, d0

## COMPOSITION

	5/10 BA 12,5 about 5,8 Kg
	10/10 BA 12,5 about 11,5 Kg
	20/10 BA 12,5 about 22 Kg
	30/10 BA 12,5 about 34 Kg
	40/10 BA 12,5 about 45 Kg

## FIELDS OF APPLICATION

Surgeries, hospitals, diagnostic centers, etc.

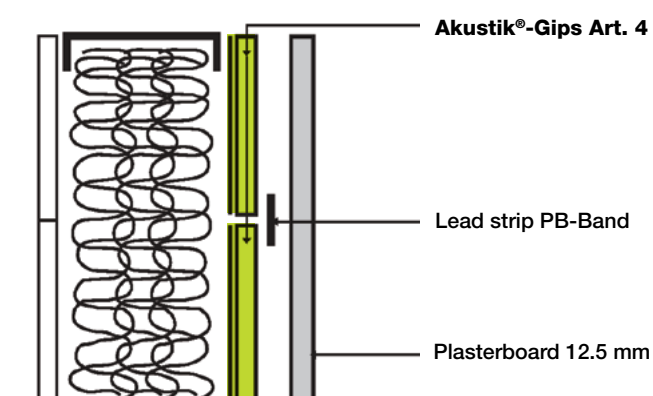
## INSTALLATION

Akustik®-Gips Art. 4 must be installed as a normal plasterboard, taking great care over joints and screws, sealing them with a lead sheet strip (PB-BAND) to have a total screening. The second plasterboard will be fixed through a specific adhesive mortar, FORTECEM dB+, without screws.

## APPLICATIONS



## ASSEMBLY DIAGRAM FROM ABOVE





# AKUSTIK® - GIPS C1

CE MARKED PRODUCT



PLASTERBOARD PANEL COUPLED ON ONE SIDE WITH A POLYURETHANE AGGLOMERATE PANEL FOR THERMAL AND ACOUSTIC INSULATION IN COUNTERWALL

## MATERIAL

Akustik®-Gips C1 is a plasterboard panel, covered on one side with a AKUSTIK C1 panel in polyurethane agglomerate, density 120 Kg/m³, with excellent Acoustic absorption and thermal insulation characteristics.

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	23 mm, (aprox.) 33 mm Other on request
SOUND INSULATION VALUES	Rw from 54 dB to 59 dB, depending on the construction system
REACTION TO FIRE	Plasterboard A2-s1, d0; Akustik® C1 euroclass E
COMPOSITION	Double-layer product composed by: <div> <div>A AKUSTIK C1 10 - 20 mm</div> <div>B Plasterboard 12.5 mm</div> </div>

## FIELDS OF APPLICATION

Akustik®-Gips C1 allows thermal and acoustic insulation work in counterwall on existing walls in residential and commercial buildings.

## INSTALLATION

Easy to apply with FORTECEM dB+ adhesive mortar and mechanical fixing on masonry partition walls.

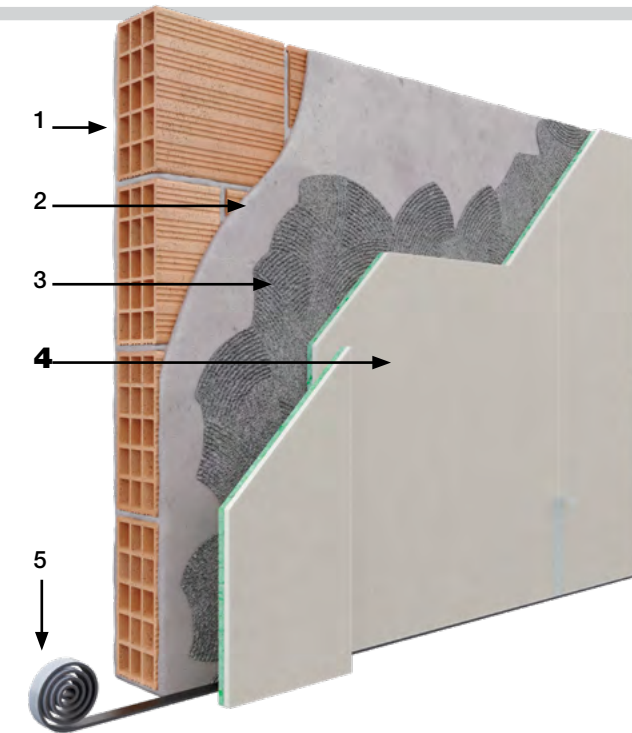
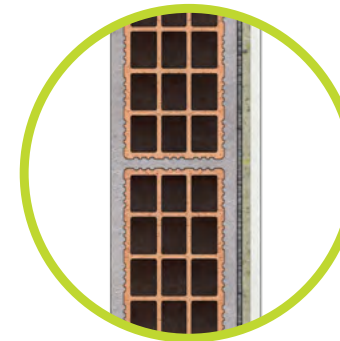
The version 12,5+10 mm can be installed on metal frames through screwing to create counter walls and false ceiling with a high soundproofing power.

## APPLICATIONS

### WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

Rw = 54 dB



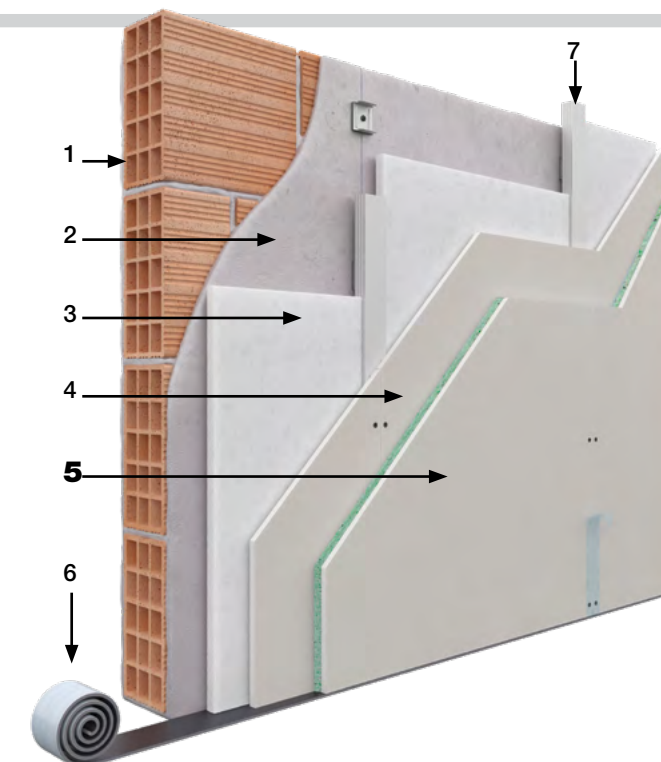
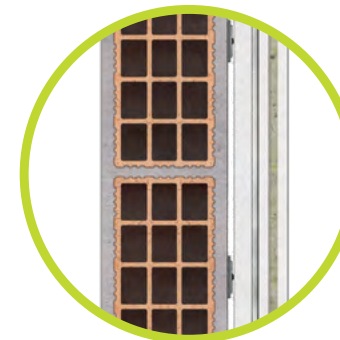
#### LEGEND

1. Light weight masonry
2. Cement mortar
3. FORTECEM dB+ glue
4. AKUSTIK® GIPS C1
5. AKUSTIK® BAND

### COUNTERWALLS

SOUND AND THERMAL INSULATION OF EXISTING WALLS WITH HIGH PERFORMANCE SYSTEMS

Rw = 59 dB



#### LEGEND

1. Light weight masonry
2. Cement mortar
3. AKUSTIK® SOFT Th 20mm D. 30 Kg/m³
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS C1
6. AKUSTIK® BAND
7. Connecting clip and metal stud 50/27

# AKUSTIK® - GIPS ART. 6

CE MARKED PRODUCT



PLASTERBOARD WITH A RETICULATED POLYETHYLENE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER COATING ON ONE SIDE

## MATERIAL

Akustik®-Gips Art. 6 is a special plasterboard combined with two layer of polyethylene on one side with interposed an intermediates layer of 0,50 mm lead. Such a combination allows to realize walls and ceilings with an elevated sound insulating power with reduced thickness.

WIDTH	1200 mm
LENGTH	2000 or 3000 mm
THICKNESS	19 mm (approx) Dimensions tolerance according to M4 DIN 7715 standard, part 2
SOUND INSULATION VALUES	Certified $R_w = 62,0$ dB
REACTION TO FIRE	Plasterboard A2-s1, d0; cross-linked polyethylene euroclass F (upon request B-s1,d0)
COMPOSITION	Bilayer product composed by: <div> <div>A AKUSTIK METAL SLIK ART. 6 (PE/Pb 0,50/PE) 6 mm</div> <div>B Plasterboard 12.5 mm</div> </div>

## FIELDS OF APPLICATION

It is widely used for partition walls and false ceilings sound insulation, to increase their insulation allowing a reduction of thickness and realization times.

## INSTALLATION

Akustik®-Gips Art. 6 is applied as a normal plasterboard.

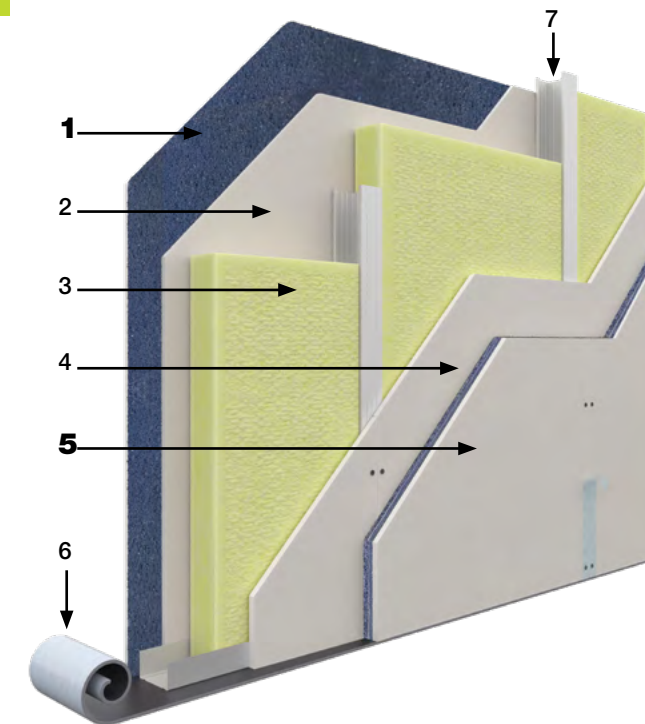
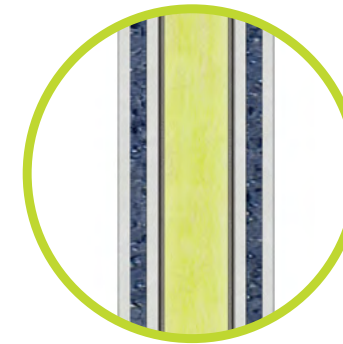
## APPLICATIONS

### COUNTERWALLS

SOUND AND THERMAL INSULATION OF EXISTING WALLS WITH HIGH PERFORMANCE SYSTEMS

$R_w = 62$  dB

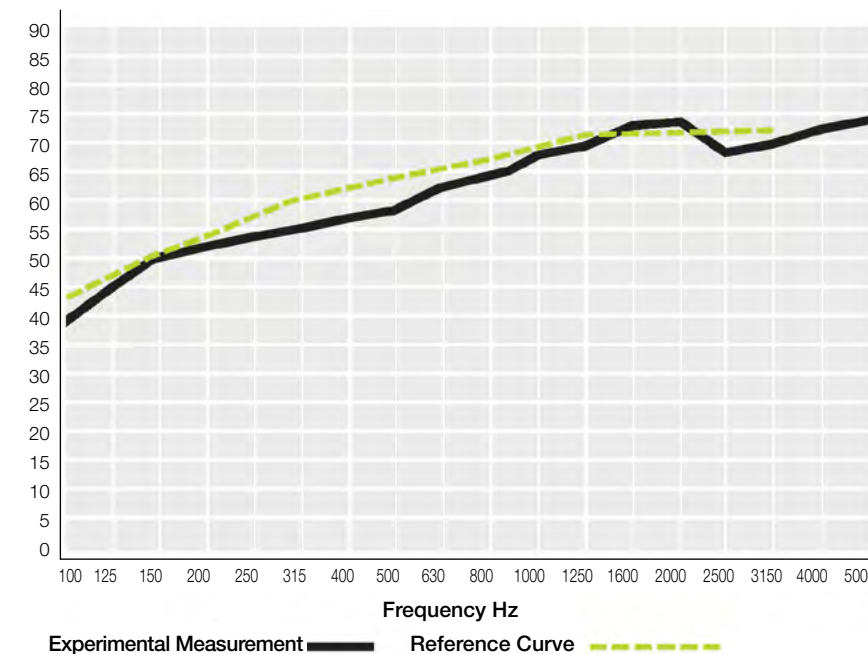
Certificate n. 266464 I.G.



#### LEGEND

1. AKUSTIK® GIPS ART. 6
2. Plasterboard BA 12,5 mm
3. Fiberglass Th 70 mm
4. Plasterboard BA 12,5 mm
5. AKUSTIK® GIPS ART. 6
6. AKUSTIK® BAND
7. Guides and uprights 75 mm

## SOUND INSULATION POWER



Useful measuring surface of the sample  
**10.80 m<sup>2</sup>**

Volume of the emitting chamber  
**100 m<sup>3</sup>**

Volume of the receiving chamber  
**90 m<sup>3</sup>**

Test result  
**62dB valuation index at 100 hz in the frequency band between 100 Hz and 3150 Hz**



# AKUSTIK® - GIPS ART. 8



SOUND-INSULATING, SOUND ABSORBING AND ANTI-VIBRATION PRODUCT, WITH EXCELLENT MECHANICAL, THERMAL AND CHEMICAL RESISTANCE

## MATERIAL

Three-layer product achieved combining a plasterboard with a thickness of 12,5 mm, with a 10 mm layer of Ecorubber® (vulcanized rubber granules panel) and a layer of AKUSTIK SOFT, density 100 Kg/m<sup>3</sup>, 20 mm thickness.

## FIELDS OF APPLICATION

The product is widely used in plasterboard and masonry partitions, false ceilings and floor for the reduction of airborne and structural noise. Thanks to its characteristics, the product has excellent properties for both acoustic and thermal insulation.

## INSTALLATION

With FORTECEM dB+ cement mortar on existing masonry walls, eventually using mechanical fixing.

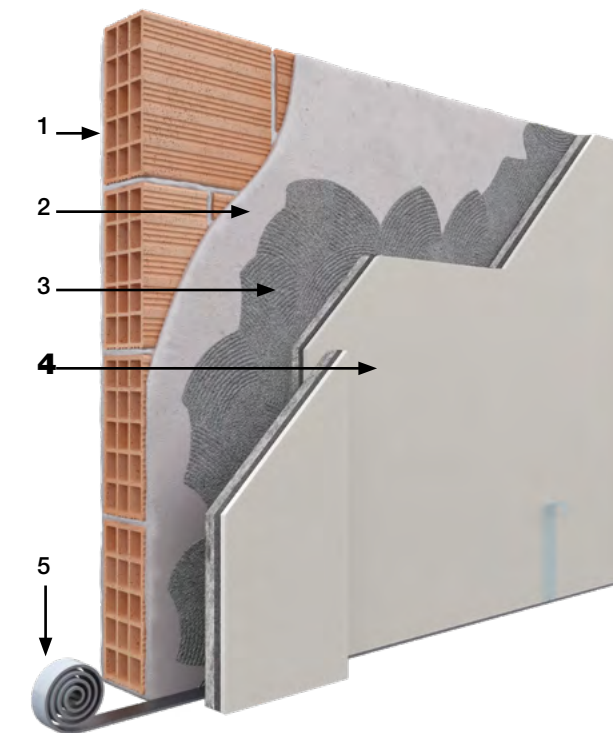
WIDTH	1200 mm
LENGTH	2000 o 3000 mm
THICKNESS	20 mm
DENSITY	100 Kg/m <sup>3</sup>
WEIGHT	(approx.) 19 Kg/m <sup>2</sup>
SOUND INSULATION VALUES	Rw = 58,0 dB on one side Rw = 62,0 dB on two sides
THERMAL CONDUCTIVITY	Akustik® Soft: λ 0,033 W/mK Ecorubber® 10 mm: λ 0,1226 W/mK

## APPLICATIONS

### WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

Rw = 60 dB

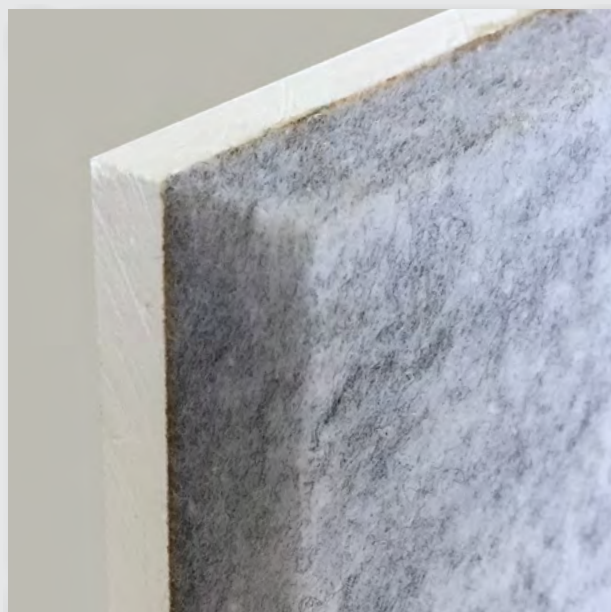


#### LEGEND

1. Light weight masonry
2. Cement mortar
3. Adesivo FORTECEM dB+
4. AKUSTIK® GIPS ART. 8
5. AKUSTIK® BAND

# AKUSTIK® - GIPS ART. 9

CE MARKED PRODUCT





PLASTERBOARD COMBINED WITH A POLYESTER FIBER PANEL ON ONE SIDE FOR THE THERMAL AND SOUNDPROOFING INSULATION OF WALLS

## MATERIAL

Akustik®-Gips Art. 9 is the special two layer plasterboard with characteristics of sound barrier, soundproof and thermal insulation, self-supporting, achieved combining a 20 mm thickness layer of AKUSTIK SOFT, polyester non-toxic thermal bonded fiber, density 50 Kg/m<sup>3</sup> changeable along the thickness, Euroclass B-s2 d0 flame resistance and a layer of BA 12,5 mm plasterboard.

WIDTH	1200 mm
LENGTH	2000 o 3000 mm
THICKNESS	12,5 + 10 - 20 - 40 mm
THERMAL RESISTANCE	sp. 12,5 + 10 = 0,35 m <sup>2</sup> K/W sp. 12,5 + 20 = 0,65 m <sup>2</sup> K/W sp. 12,5 + 40 = 1,26 m <sup>2</sup> K/W
RESISTANCE WATER VAPOUR DIFFUSION	$S_d = 0,14 \text{ m}$
SOUND INSULATION VALUES	Certified $R_w = 58,0 \text{ dB}$
REACTION TO FIRE	Plasterboard A2-s1, d0; Polyester fiber B-s2, d0

COMPOSITION	Bilayer product composed by:
	A Polyester fiber D. 50 Kg/m <sup>3</sup> , sp. 20-40 mm
	B Plasterboard 12,5 mm

## FIELDS OF APPLICATION

The elevated thermal insulation and soundproof characteristics make it an excellent product for the thermal insulation and soundproofing of masonry walls, perimeter walls, dividers between housing, offices or hotel rooms.

## INSTALLATION

Akustik®-Gips Art. 9 can be applied with dry lining to existing walls by direct bonding with FORTECEM dB+ cement mortar and mechanical fixings.

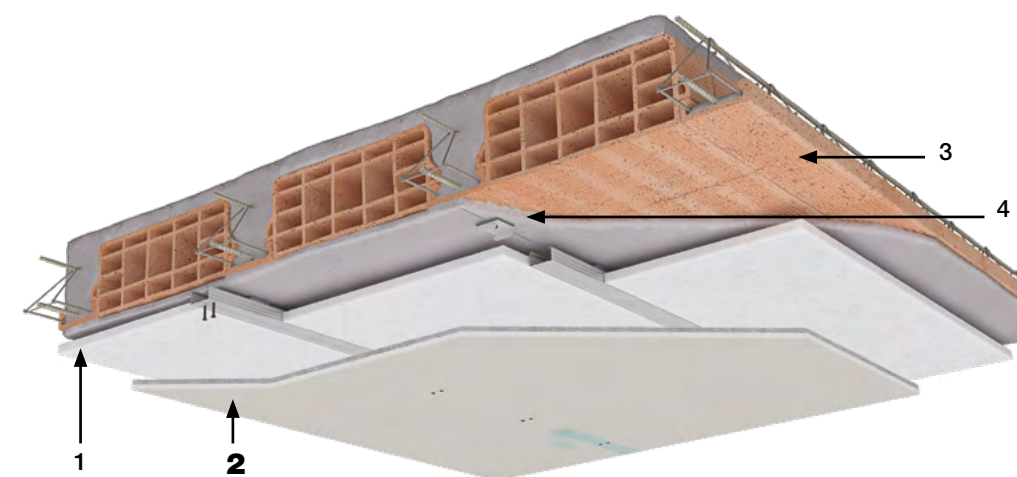
The version 12,5+10 mm can be installed on metal frames through screwing to create counter walls and false ceiling with a high soundproofing power.

## APPLICATIONS

### FALSE-CEILINGS

SOUND INSULATION OF AIR AND FLOOR NOISES ON EXISTING FLOORS TO REALIZE HIGH INSULATION FALSE-CEILING

$R_w = 56 \text{ dB}$  -  $L_{n,w} = 63 \text{ dB}$



#### LEGEND

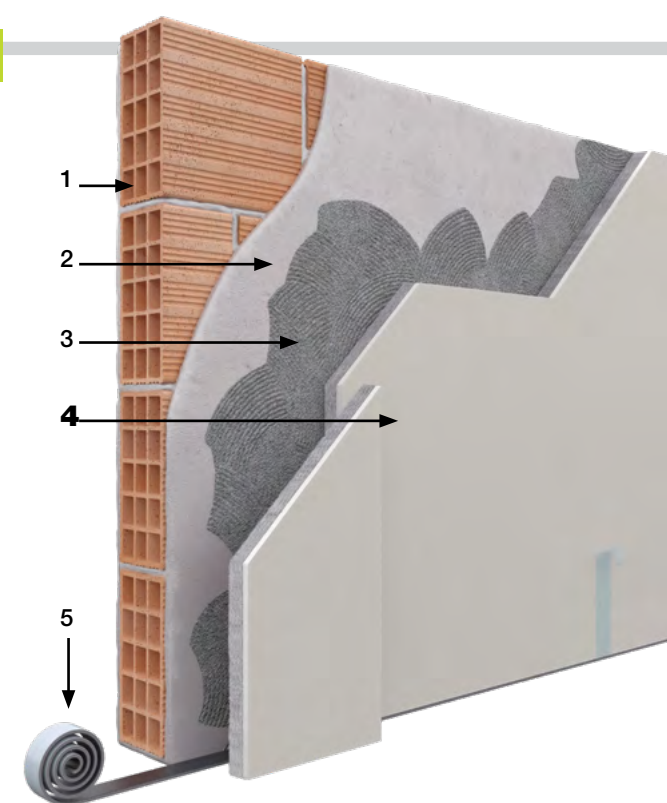
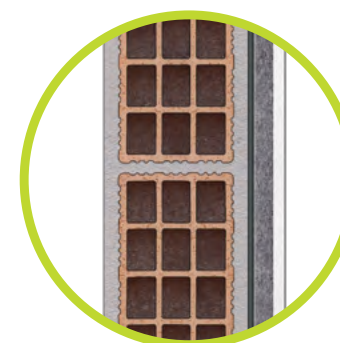
-  1. AKUSTIK® SOFT Th 20mm  
D. 30 Kg/m<sup>3</sup>
-  2. AKUSTIK® GIPS ART. 9  
12,5 + 10 mm
- 3. Concrete slab
- 4. Connecting clip and metal stud 50/27

### WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

$R_w = 58 \text{ dB}$

Certificate 331860 I. G.



#### LEGEND

- 1. Light weight masonry
- 2. Cement mortar
-  3. FORTECEM dB+ glue
-  4. AKUSTIK® GIPS ART. 9  
12,5 + 20 mm
-  5. AKUSTIK® BAND



# AKUSTIK® - GIPS ART. 10

CE MARKED PRODUCT



WIDTH	1200 mm
LENGTH	2000 o 3000 mm
THICKNESS	(approx.) 22 mm
LATEX WEIGHT	3,7 Kg/m <sup>2</sup>
ACUSTIC INCREASE	Rw = 7,0 dB (theoretic value)
REACTION TO FIRE	Plasterboard A2-s1, d0
COMPOSITION	Bilayer product composed by:
	<b>A</b> Centrifuged rubber latex 10 mm
	<b>B</b> Plasterboard 12,5 mm

PLASTERBOARD COMBINED ON ONE SIDE WITH A SPECIAL LAYER OF CENTRIFUGED RUBBER LATEX WITH A POINT SURFACE

## MATERIAL

Akustik®-Gips Art. 10 is the special double layer sound barrier plasterboard, self-supporting, achieved by combining a special layer of centrifuged rubber latex with a point surface and a layer of 12,5 mm of thickness plasterboard..

## FIELDS OF APPLICATION

Akustik®-Gips Art. 10 is a product made for pasting onto existing vertical structures: with a few centimetres it offers good soundproofing thanks to the special point surface of the latex that allows the separation of the plasterboards from the walls.

## INSTALLATION

Akustik®-Gips Art. 10 is applied with FORTECEM dB+ cement mortar and mechanical fixing to existing walls. In order to increase the performance is recommended the application of a second offset panel of FERMASOUND® BASE.

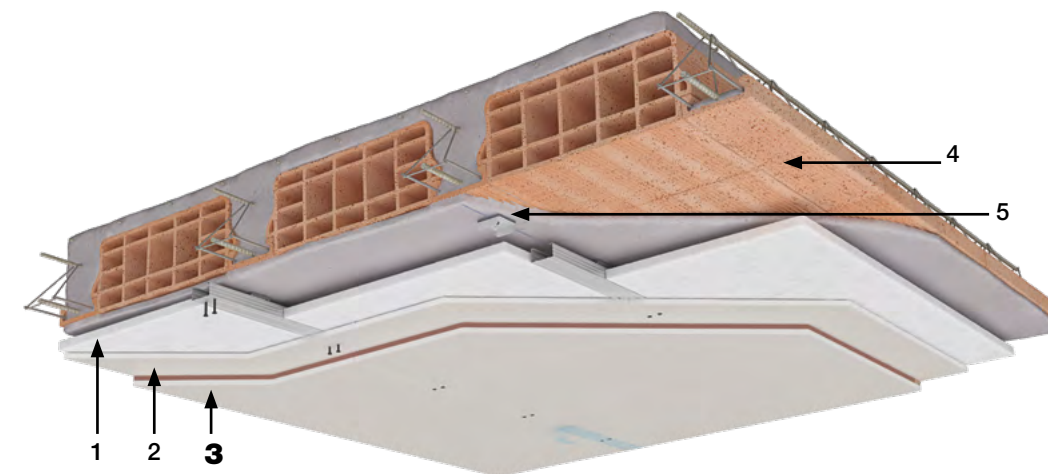
The product can be installed on metal frames through screwing to create counter walls and false ceiling with a high soundproofing power.

## APPLICATIONS

### FALSE-CEILINGS

SOUND INSULATION OF AIR AND FLOOR NOISES ON EXISTING FLOORS TO REALIZE HIGH INSULATION FALSE-CEILING

Rw = 58 dB - L<sub>n,w</sub> = 62 dB



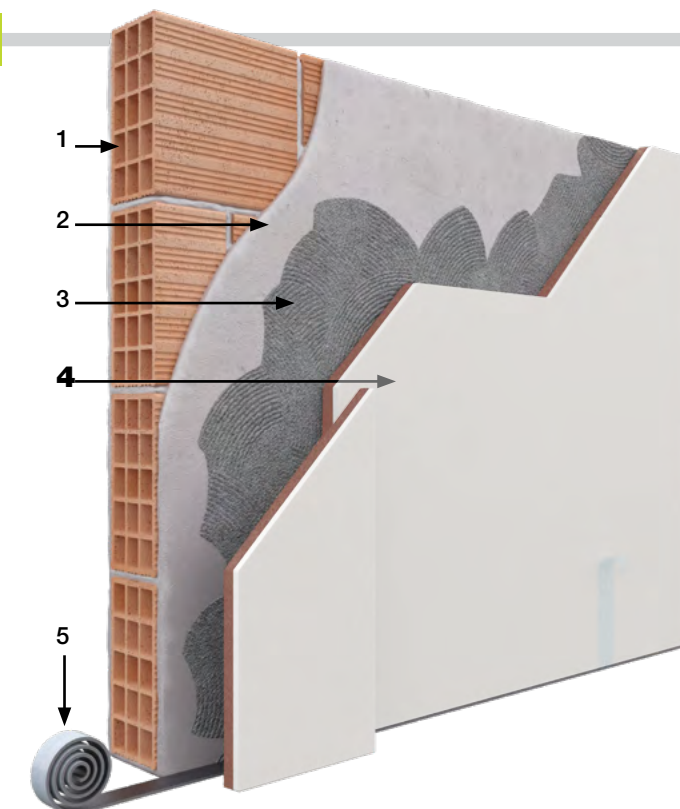
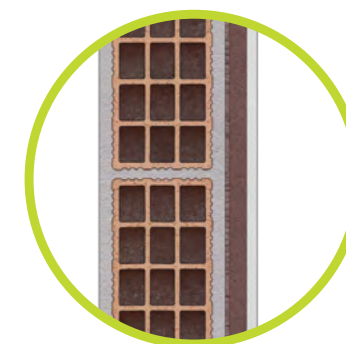
#### LEGEND

- 1. AKUSTIK® SOFT Th 20mm D. 30 Kg/m<sup>3</sup>
- 2. Plasterboard BA 12,5 mm
- 3. AKUSTIK® GIPS ART. 10
- 4. Concrete slab
- 5. Connecting clip and metal stud 50/27

### WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS

Rw = 54 dB

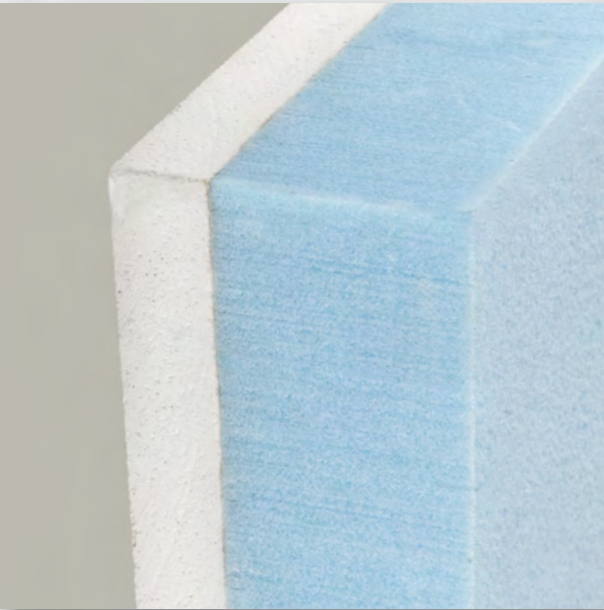


#### LEGEND

- 1. Light weight masonry
- 2. Cement mortar
- 3. Adesivo FORTECEM dB+
- 4. AKUSTIK® GIPS ART. 10
- 5. AKUSTIK® BAND

CLIMA- GIPS

MARKED PRODUCT



WIDTH	1200 mm
LENGTH	2000 o 3000 mm
THICKNESS	13+20; 13+30; 13+40; 13+50 mm Other on request
COMPRESSION SET	10% thickness 20 and 30 mm = 320 K Pa
WATER ABSORBANCE	1,0% per volume
STEAM PERMEABILITY	μ 100
TEMPERATURE RESISTANCE	-65° C / +75°C
CONDUCTIVITY COEFFICIENT	λ = 0,032 W/mK
REACTION TO FIRE	Plasterboard A2-s1, d0; expanded extruded polystyrene E

COMPOSITION	Bilayer product composed by:
<div></div>	A Expanded extruded polystyrene 20-30-40-50 mm
<div></div>	B Plasterboard 12.5 mm

PLASTERBOARD COMBINED WITH AN EXPANDED EXTRUDED POLYSTYRENE PANEL FOR HEAT INSULATION MATERIAL

MATERIAL

Clima-Gips is the plasterboard coated on one side with a expanded extruded polystyrene panel, with very good heat-insulating properties. The special patterned surface of the paned facilitates the application to walls by using mortar or adhesives.

FIELDS OF APPLICATION

This product is used for the heat insulation treatment of wall and ceilings. It is mainly use for insulation systems, and specially designed to facilitate the anchoring with mortars on existing walls.

INSTALLATION

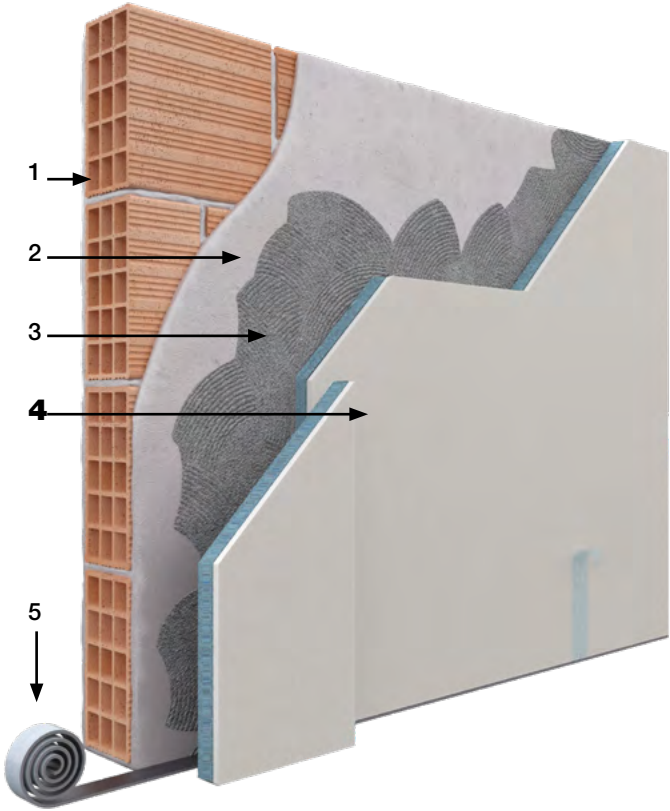
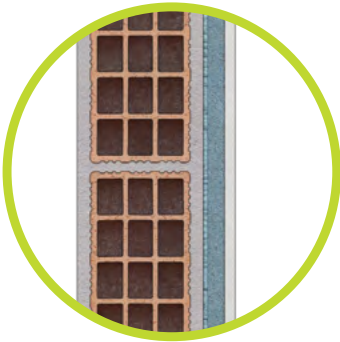
It can be easily applied as a normal plasterboard on masonry walls through adhesive mortar FORTECEM dB+ or adhesive and plastic jacket screws.

The product can be installed on metal frames through screwing to create counter walls and false ceiling with a high soundproofing power.

APPLICATIONS

WALLS IN ADHERENCE

SOUND INSULATION ON EXISTING WALLS WITH HIGH INSULATIONS SYSTEMS AND MINIMUM THICKNESS



LEGEND

- 1. Light weight masonry
- 2. Cement mortar
- 3. FORTECEM dB+ glue
- 4. CLIMA - GIPS
- 5. AKUSTIK® BAND

DECLARED THERMAL RESISTANCE (R <sub>D</sub> ) OF THE PANEL	THICKNESS	REFERENCE STANDARD	UNIT OF MEASURE	VALUES
	20 + 13 mm	EN 13164/EN 13950	λ <sub>D</sub> : W/mK - R <sub>D</sub> : m²K/W	0,65
	30 + 13 mm	EN 13164/EN 13950	λ <sub>D</sub> : W/mK - R <sub>D</sub> : m²K/W	0,95
	40 + 13 mm	EN 13164/EN 13950	λ <sub>D</sub> : W/mK - R <sub>D</sub> : m²K/W	1,25
	50 + 13 mm	EN 13164/EN 13950	λ <sub>D</sub> : W/mK - R <sub>D</sub> : m²K/W	1,50



# FERMASOUND® BASE

CE MARKED PRODUCT



SPECIAL GYPSUM FIBER BOARD THOUGHT TO COMBINE THE ADVANTAGE OF MASONRY WALL CONSTRUCTION TO THOSE TYPICAL OF DRY CONSTRUCTION

### MATERIAL

Fermasound® Base is a 12.5 mm thick gypsum fiber board with a high level of stability and a surface weight of 15 Kg/m². The homogeneous structure of the board, fully reinforced with fiber, makes the board very resistant to consistent knocks or impacts.

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	12.5 mm
NOMINAL DENSITY	1000/1250 Kg/m³
RESISTANCE FACTOR WATER VAPOUR DIFFUSION	μ 21
HARDNESS	7,5 N/mm²
THERMAL CONDUCTIVITY	λ = 0,30 W/mK
HUMIDITY COMPENSATION > at 20° C as a result of a 30% change in relative humidity	0,30 mm/m
REACTION TO FIRE	A2-s1, d0

### FIELDS OF APPLICATION

Fermasound® Base boards can be applied to all standard metal or wood dry construction systems. The board provides excellent soundproofing and thermal insulation and, thanks to the hydrophobe characteristics, it is suitable for moist environments such as bathrooms, kitchens, etc.

### INSTALLATION

The installation of the boards is achieved using special self-tapping screws or with staples (for wooden substructures). The board junctions are achieved using a special sealant supplied on request.

Fermasound® Base is a board ready for various types of finishings without additional treatments: wallpaper and tiles can be applied directly to the board (consult our technical office for more information).

# FERMASOUND® ART. 2

CE MARKED PRODUCT



SPECIAL GYPSUM FIBER BOARD WITH A 12,5 MM THICKNESS AND WEIGHT OF 15 KG/M² COMBINED WITH AN EPDM TECSOUND® HIGH MASS LAYER OF 5 KG/M²

### MATERIAL

Fermasound Art. 2 is a special soundproof board for hotels, schools and hospitals, made of gypsum fiber covered on one side with a high density mass layer of EPDM TECSOUND® with low elastic modules and a total weight of 20Kg/m². Product completely bitumen free.

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	approx. 15 mm
NOMINAL DENSITY	1150±50 Kg/m³
RESISTANCE FACTOR WATER VAPOUR DIFFUSION	μ 13
BRINNEL HARDNESS	30 N/mm²
THERMAL CONDUCTIVITY	λ = 0,032 W/mK
SOUND INSULATION VALUES	Certified Rw = 65,0 dB
REACTION TO FIRE	Fermasound A2-s1, d0 EPDM B-s2, d0
COMPOSITION	Bilayer product composed by: <div><div></div>A EPDM 2.5 mm da 5 Kg/m² <div></div>B Gypsum fiber board 12.5 mm</div>

### FIELDS OF APPLICATION

Fermasound Art. 2 is widely used in partitions and drywall ceilings, in order to increase the soundproofing, and it is also ideal for moist environments. Furthermore, given its high level of resistance to knocks and its high level of soundproofing it is the ideal board for hotels, hospitals, schools.

### INSTALLATION

Fermasound Art.2 is fixed to metallic structure with special self-tapping screws for gypsum fiber. The board junctions are achieved using a special sealant for gypsum fiber, supplied on request. For walls the recommended distance of the mounting points is 25 cm, while for ceilings and attics it is 20 cm.

# FERMASOUND® ART. 3

CE MARKED PRODUCT



THE SPECIAL 12.5 MM THICKNESS GYPSUM BOARD WITH A WEIGHT OF 15 KG/M² COMBINED WITH AN ECORUBBER® PANEL COATING ON ONE SIDE OF 750 KG/M³, SOUNDPROOF AND ANTI-VIBRATION

### MATERIAL

Fermasound® Art. 3 is a special soundproof panel made with a 12.5 mm thickness gypsum fiber panel with a high level of stability, mechanical resistance and excellent flame and water (hydro) resistance characteristics, combined with an Ecorubber® high density vulcanised agglomerated rubber with a thickness of 20 mm and surface weight of 15 Kg/m², soundproof and anti-vibration. Each board has a total surface weight of 30 Kg/m².



### FIELDS OF APPLICATION

Fermasound® Art. 3 is widely used in partitions and drywall ceilings, where a high level of soundproofing and anti-vibration effect is required. Thanks to the waterproof and fire resistant characteristics Fermasound® Art. 3 is the ideal board for moist environments.

### INSTALLATION

Fermasound® Art. 3 can be installed on metal trusses or wooden rods with special self-tapping screws for gypsum fiber or installed directly with dry lining on an existing wall using FORTECEM dB+ cement mortar. The board junctions are achieved using a special sealant for gypsum fiber supplied on request. In the case of application of metallic or wooden trusses to a wall, the recommended mounting point between the screws is 25 cm, while for ceilings and attics it is 20 cm.

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	33 mm approx.
NOMINAL DENSITY	1000/1250 Kg/m³
RESISTANCE FACTOR TO WATER VAPOUR DIFFUSION	μ 21
HARDNESS	7,5 N/mm²
THERMAL CONDUCTIVITY	λ = 0,30 W/mK
COEFFICIENT OF THERMAL EXPANSION	0,001 % K
REACTION TO FIRE	Fermasound A2-s1, d0

COMPOSITION	Bilayer product composed by:
	A ECORUBBER 20 mm
	B Gypsum fiber board 12.5 mm

# SUPREMA® - CEMENT BOARD

CE MARKED PRODUCT



SUPREMA® IS THE CEMENT BOARD IN PORTLAND CEMENT REINFORCED WITH FIBERGLASS MESH FOR INTERNAL AND EXTERIOR USE

### MATERIAL

SUPREMA® cement board is a mixture of Portland cement and lightweight aggregate with a special fiberglass mesh with a mass of approximately 15 Kg/m².

### FIELDS OF APPLICATION

SUPREMA® cement board can be used for interior and exterior applications. It can be installed vertically or horizontally on walls, ceilings, floors. It can be also applied under ceramic tiles on dry-system screed and even in wet places such as swimming pools, bathrooms, kitchens.

### INSTALLATION

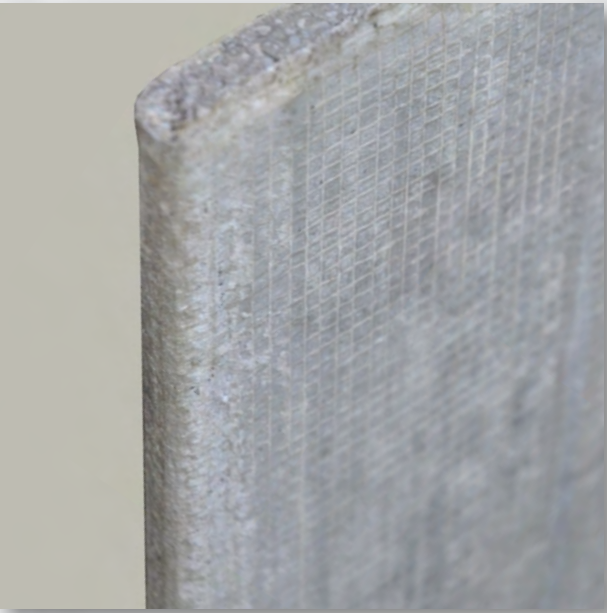
SUPREMA® Cement Board can be easily cut and shaped using a normal cutter: follow the fiberglass line on one surface, break the border and cut on the other surface. For shape cuts and precision ones, like boundary of frame, it must be used a saw. It must be installed with proper metallic profiles hardware according to the application.

WIDTH	1200 mm
LENGTH	2000 o 2400 mm
THICKNESS	12,5 circa mm
WEIGHT	15 Kg/m²
THERMAL CONDUCTIVITY:	λ = 0,174 W/mK
IMPERMEABILITY (ACCORDING TO UNI EN 12467; POINT 5.4.5)	Impermeably
FUNGUS RESISTANCE	no growth
RESISTANCE TO MOLD	no growth
REACTION TO FIRE	Euroclass A1 to UNI EN 13501-1



# SUPREMA® - FLEX

CE MARKED PRODUCT



SUPREMA® CEMENT BOARD FLEX IS THE FLEXIBLE CEMENT BOARD FOR ARCHES, WINDOWS, COLUMNS AND EVERY ROUND SURFACE, FOR INTERNAL AND OUT-DOOR INSTALLATIONS.

### MATERIAL

SUPREMA® FLEX cement board is a mixture of Portland cement and lightweight aggregate with a special fiberglass mesh with a mass of approximately 9 Kg/m².

### FIELDS OF APPLICATION

The SUPREMA® FLEX is applied where is required the possibility of the curvature of the slab, to coat curvilinear elements present in exterior facades, for the construction of floors, walls and ceilings in wet environments (kitchens, bathrooms, spas), for the lining of tunnels and galleries. Particularly suitable for laying in false ceilings thanks to the reduced weight.

### INSTALLATION

SUPREMA® Flex can be easily cut and shaped using a normal cutter: follow the fiberglass line on one surface, break the border and cut on the other surface. For shape cuts and precision ones, like boundary of frame, it must be used a saw. It must be installed with proper metallic profiles hardware according to the application.

WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	approx. 8 mm
WEIGHT	approx. 9 Kg/m²
BENDING RADIUS	45 cm
REACTION TO FIRE	Euroclass A1 to UNI EN 13501-1

# SUPREMA® - ART. 2

CE MARKED PRODUCT



SPECIAL BOARD IN PORTLAND CEMENT REINFORCED WITH INERT MINERAL AND BY A SPECIAL NETWORK FIBER GLASS, COATED ON ONE SIDE WITH A HIGH DENSITY MASS IN EPDM TECSOUND®

### MATERIAL

The SUPREMA Art. 2 is the special board in portland cement reinforced with inert mineral and by a special network fiber glass, coated on one side with a high density mass in EPDM Tecsound who has a low elastic modulus. Product completely bitumen free.

### FIELDS OF APPLICATION

SUPREMA Art. 2 can be applied both indoors and outdoors, for vertical or horizontal application on walls, ceilings and floors, in order to increase the acoustic insulation with the advantages of a reduction of the thickness and the construction times.

### INSTALLATION

SUPREMA Art. 2 can be easily cut and shaped using a simple cutter. It has to be installed and secured with proper metallic profiles hardware according to the different applications, as a simple cement board.


WIDTH	1200 mm
LENGTH	2000 o 2400 mm
THICKNESS	approx. 15 mm
WEIGHT	20,5 Kg/m²
SOUND INSULATION VALUES	Rw = 38,0 dB (theoretical)
REACTION TO FIRE	Suprema Euroclass A1 to UNI EN1 3501-1, EPDM B-s2, d0
COMPOSITION	Bilayer product composed by: <div><div>A EPDM 2.5 mm, 5 Kg/m²</div><div>B Suprema cement board 12.5 mm</div></div>

# SUPREMA® CLIMA

CE MARKED PRODUCT



WIDTH	1200 mm
LENGTH	2000 mm
THICKNESS	12,5 + 20 mm; 12,5 + 30 mm; 12,5 + 40 mm; 12,5 + 50 mm. Others on request
WATER ABSORPTION BY LONG TERM	polystyrene expanded extruded < 0,7%
VAPOR PERMEABILITY	polystyrene expanded extruded $\mu \geq 100$
CONDUCTIVITY COEFFICIENT	$\lambda = 0,033 \text{ W/mK}$
TEMPERATURE LIMIT OF USE	+ 75°C
REACTION TO FIRE	Suprema Euroclass A1 polystyrene expanded extruded Euroclass E

COMPOSITION	Bilayer product composed by:
	<b>A</b> Polystyrene expanded extruded 20 - 30 - 40 - 50 mm
	<b>B</b> Suprema Cement Board 12.5 mm

THE SPECIAL PORTLAND CEMENT BOARD REINFORCED WITH MINERAL AGGREGATE AND BY A SPECIAL NETWORK FIBERGLASS PRE-COUPLED WITH AN EXPANDED EXTRUDED POLYSTYRENE PANEL FOR INTERIOR AND EXTERIOR

## MATERIAL

The SUPREMA CLIMA is the special board in portland cement reinforced with inert mineral and by a special network fiber glass, coated on one side with a expanded extruded polystyrene panel, with very good heat-insulating properties. The special patterned surface of the panel facilitates the application to walls by using mortar or adhesives.

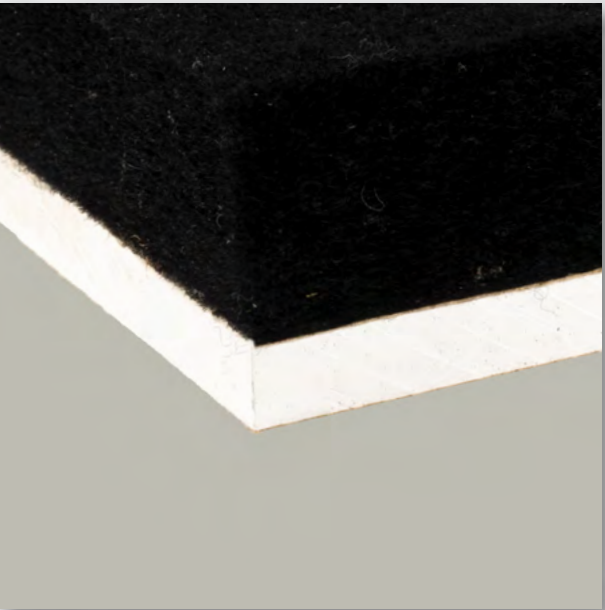
## FIELDS OF APPLICATION

It can be applied both indoors and outdoors, for vertical or horizontal application on walls, ceilings and floors. It is mainly used in the insulation system and designed for an easy application with mortar on existing walls. It can also be applied in wet areas such as swimming pools, spas, kitchens.

## INSTALLATION

The product can be easily cut and shaped with the use of a normal cutter. It can be easily applied on the existing wall with adhesive mortar and plastic jacked screws. Outside the finishing system is the same of the cement board.


# AKUSTIK® SOUND



DIMENSIONE LASTRE 595x595 mm. Altre a richiesta.

THICKNESS	30 circa mm
WEIGHT	approx. 7,00 Kg/m²
SOUND ABSORBING POWER	Akustik® Sound panel + perforated modular ceiling with air chamber 250 mm = $\alpha_S 0,80$
LATERAL SOUNDPROOFING POWER	$D_{nfw} 45 \text{ dB}$ certified
THERMAL CONDUCTIVITY	$\lambda = 0,039 \text{ W/mK}$
SOUNDPROOFING POWER	$R_w = 29,0 \text{ dB}$ certified
REACTION TO FIRE	Akustik® Soft B-s2,d0 Plasterboard panel A2-s1,d0

AKUSTIK SOFT TOXICITY the product satisfies the requirements established by Oeko-texR Standard 100

COMPOSITION	Bilayer product composed by:
	<b>A</b> Polyester fibre 20 mm
	<b>B</b> Plasterboard 10 mm

PLASTERBOARD PANEL COUPLED ON ONE SIDE WITH A POLYESTER FIBRE PANEL FOR ACOUSTIC INSULATION OF MODULAR CEILINGS

## MATERIAL

Akustik® Sound is made of a plasterboard panel coupled on one side with a black polyester fibre panel. It is the specific product for acoustic insulation of both perforated and non-perforated modular ceilings; it also helps increase thermal insulation of the ceiling and optimises acoustic absorption.

## FIELDS OF APPLICATION

Akustik® Sound is a specific product for thermal and acoustic insulation of modular ceilings. Akustik® Sound considerably reduces the problem of lateral transmission of noise between adjacent rooms with a continuous false ceiling ( $D_{nfw} 45 \text{ dB}$  certified).

## INSTALLATION

For soundproofing, it is sufficient to apply Akustik® Sound resting on the modular ceiling with the polyester fibre in contact with it.



A grayscale photograph of an astronaut standing on the lunar surface, with the bright, cratered terrain visible in the background. The astronaut is wearing a full spacesuit and is positioned on the left side of the frame.

## ANTI-IMPACT NOISE

Polyethylene

Rubber

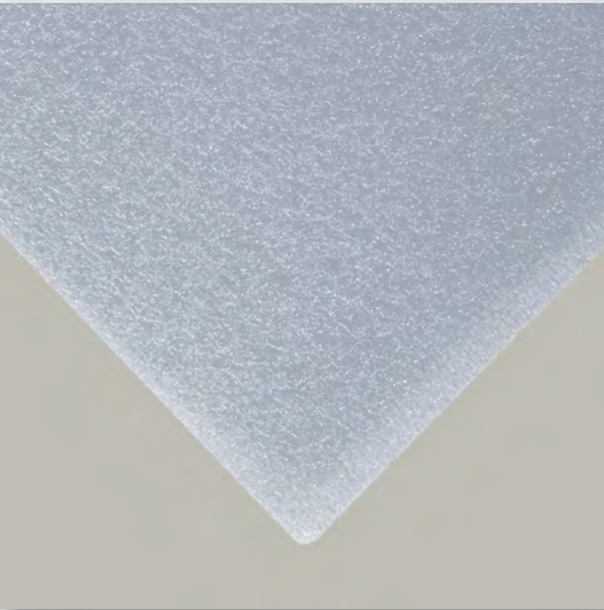
Combined Textiles

Wall-to-Wall Bands

Perimeters Band



SOTTOPARQUET



THICKNESS	2 mm
ROLLS	H 1200 mm X L 25 mtl
DIMENSIONAL TOLERANCE	± 10%
THERMAL CONDUCTIVITY	$\lambda = 0,045 \text{ W/mK}$
REDUCTION OF IMPACT NOISE	19,0 dB
COMPRESSIVE STRENGTH	4 KPa (10%); 17,5 KPa (25%); 62 KPa (50%)
RESISTANCE TO VAPOR COMPRESSION	Thickness d'aria equivalente $S_d > 4 \text{ m}$

POLYETHYLENE EXPANDED ROLL  
NOT CROSS-LINKED FOR SOUND  
AND THERMAL INSULATION OF THE  
FLOATING WOODEN FLOORING

MATERIAL

SOTTOPARQUET is a not cross-linked polyethylene foam for thermal and acoustic insulation of the floating under floors. It can also be supplied in the version coupled film aluminized LDPE 30 my and with a selvage for overlapping.  
100% recyclable product.

FIELDS OF APPLICATION

SOTTOPARQUET is the elective product for impact noise insulation in floating wooden flooring.

INSTALLATION

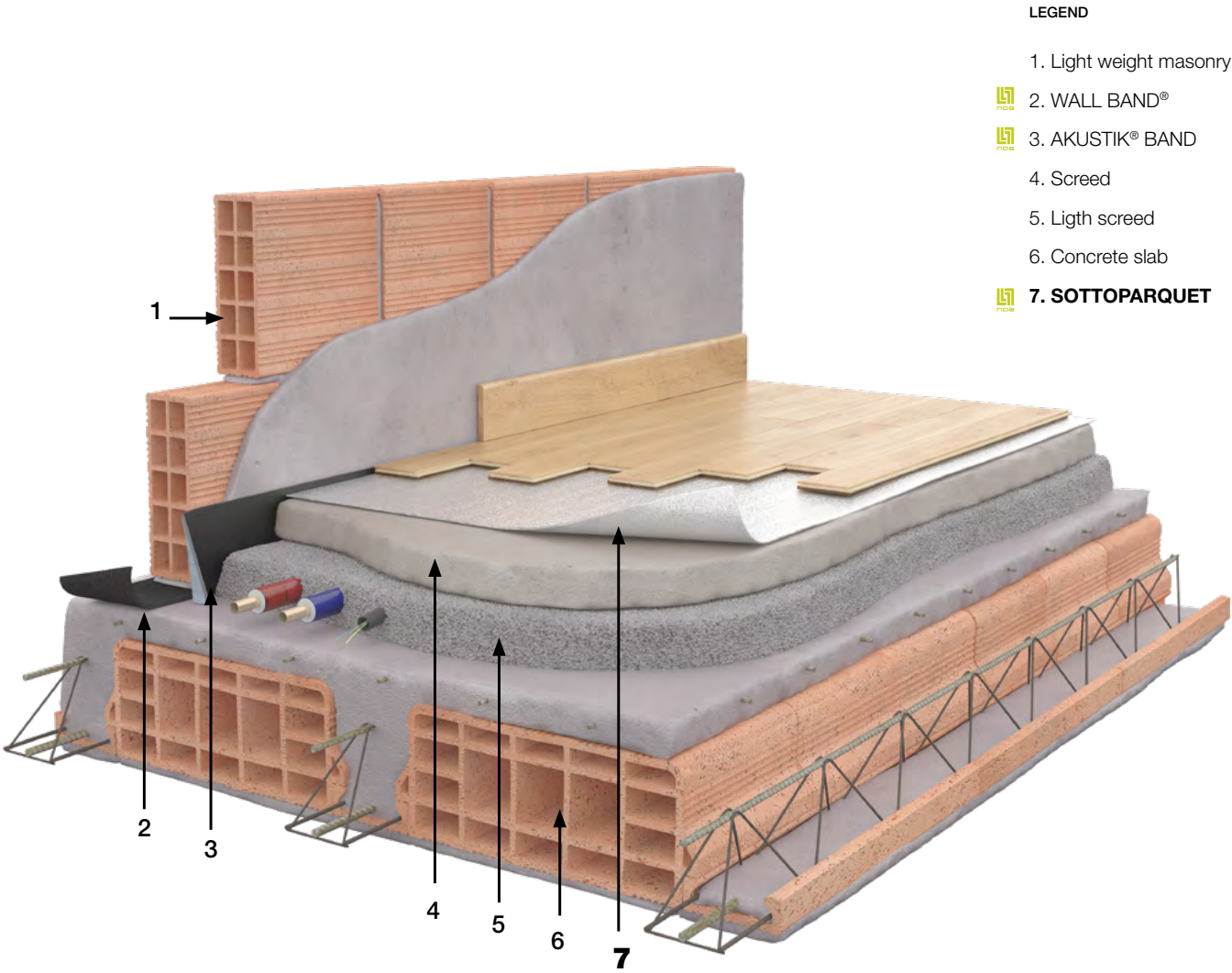
Due to its flexibility, the product can be cut and shaped very easily. The product can be supplied with one self-adhesive side to facilitate application.  
The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

APPLICATIONS

IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$\Delta L_{n,w} = 19 \text{ dB}$



LEGEND

- 1. Light weight masonry
- 2. WALL BAND®
- 3. AKUSTIK® BAND
- 4. Screed
- 5. Ligth screed
- 6. Concrete slab
- 7. SOTTOPARQUET



AKUSTIK® - PE



THICKNESS	3, 5, 10 mm (Any other on request)
HEIGHT	1080/1500 mm 3 mm thick; 1500 mm 5 and 10 mm thick
LENGTH	mtl 150 th. 3 mm; mtl 100 th. 5 mm; mtl 50 th. 10 mm; Other upon request.
COLORE	charcoal grey
REACTION TO FIRE	F, (on request B-s1,d0)
DYNAMIC STIFFNESS	sp. 5 mm: s' = 34 MN/m³ sp. 10 mm: s' = 28 MN/m³
RESONANCE FREQUENCY	sp. 5 mm: 64 f <sub>r</sub> [Hz] sp. 10 mm: 58 f <sub>r</sub> [Hz]
THERMAL CONDUCTIVITY	λ = 0,035 W/mK
DENSITY	33 Kg/m³
THERMAL RESISTANCE	-80 + 100°C

CROSS-LINKED EXPANDED POLYETHYLENE WITH CELL-CLOSED STRUCTURE FOR SOUND AND THERMAL INSULATION

MATERIAL

L'Akustik®-PE is a chemically cross-linked polyethylene with a cell-closed structure, density 33 Kg/m³, high compression resistant material with a reduced permanent deformation (on request phisically cross-linked available).

This product can be supplied with a protective embossed black film on one side to increase its tensile strength and resistance to impacts, or with an aluminium coating to improve its heat reflecting power.

FIELDS OF APPLICATION

Akustik®-PE is widely used as intermediate layer between the underfloor and the floor to avoid footfalls noises. It is a very good product for floating floors and parquets.

Akustik®-PE is also an excellent heat and sound insulator for casings, channellings and plant engineering in general.

INSTALLATION

Akustik®-PE features a flexible matrix which facilitates cutting to size and therefore it can be easily shaped.

The product can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue. It is recommended to apply the L-shaped polyethylene perimeter band AKUSTIK BORDER on the perimeter.

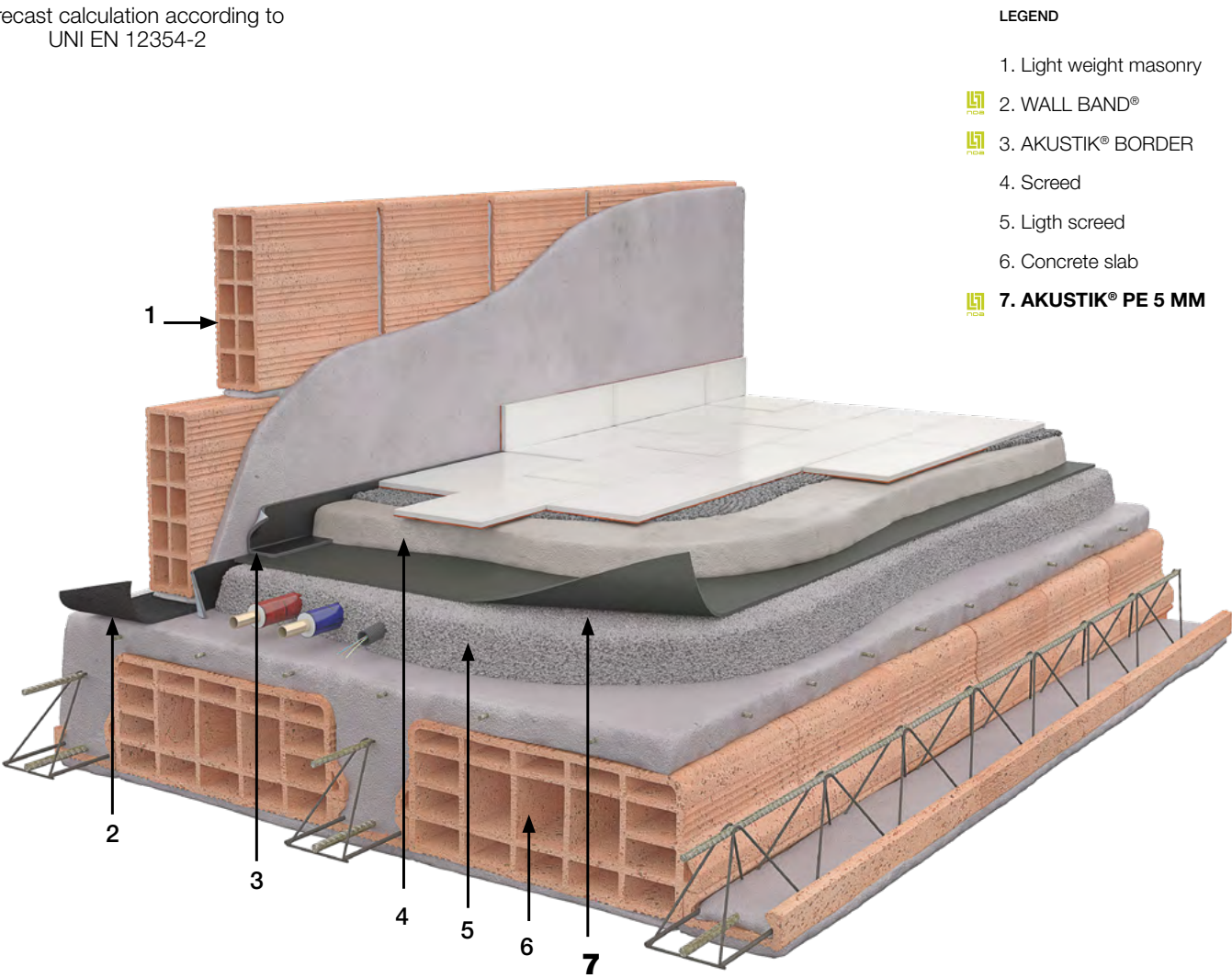
APPLICATIONS

IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

L<sub>n,w</sub> = 54,8 dB

Forecast calculation according to UNI EN 12354-2

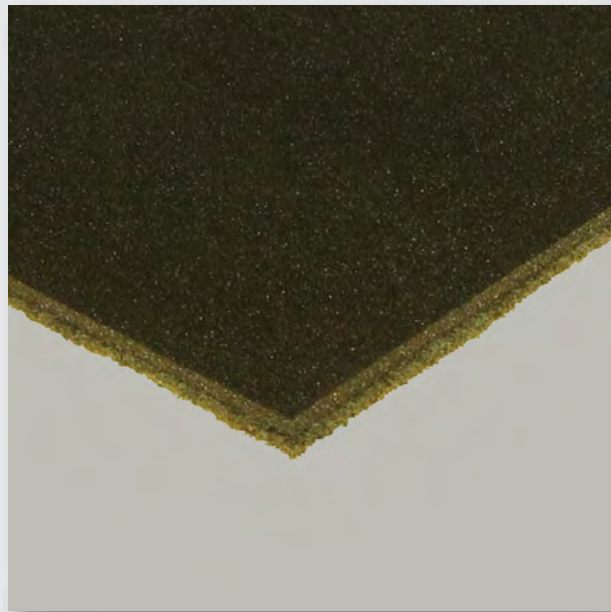


IMPROVEMENT OF THE INSULATION

Th. 5 mm ΔL<sub>n,w</sub> = 26,5 dB (according to UNI EN 12354-2)


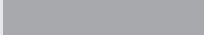
Th. 10 mm ΔL<sub>n,w</sub> = 28,0 dB (according to UNI EN 12354-2)

# PAVIPIÙ® SLIM



ROLLS	h 1500 mm
LENGTH	50 mtl.
THICKNESS	approx. 7 mm
COLOR	dark grey
THERMAL CONDUCTIVITY	$\lambda = 0,036 \text{ W/mK}$
MATERIAL	cross-linked polyethylene d. 33 kg/m <sup>3</sup> combined with a special needle punched fabric of 4 mm and weight of 300 g/m <sup>2</sup>
DYNAMIC STIFFNESS	$s' = 24 \text{ MN/m}^3$
IMPROVEMENT OF THE INSULATION	from 28 to 32 dB in function of the screed type of the flooring (calculation made according to UNI EN ISO 12354)

**COMPOSITION** Bilayer product composed by:

	<b>A</b> Cross-linked polyethylene D. 33 Kg/m <sup>3</sup> , 3 mm
	<b>B</b> Special needle punched fabric, Weight 300 g/m <sup>2</sup> , 4 mm

PAVIPIÙ® SLIM IS THE DOUBLE LAYER ROLL FOR SOUNDPROOFING INSULATION FOR FLOORING

## MATERIAL

Pavipiù® Slim is made with a special layer of cross-linked polyethylene with 3 mm thickness, 33 Kg/m<sup>3</sup> density, combined with special needle-punched technical fabric that allow to obtain a high level of soundproofing insulation for flooring and a good thermal insulation. With overlapping fabric.

## FIELDS OF APPLICATION

Pavipiù® Slim is particularly suitable for double layer foundations and is applied over the lightweight underlayment screed and under-screed bed of the flooring. With screeds less than 50 mm the reinforcing of the same is recommended.

## INSTALLATION

Quick and easy to apply, it must be taped on the junctions with AKUSTIK® BAND. Pavipiù® Slim must be installed with the technical fabric facing down.

It is recommended to apply the L-shaped polyethylene perimeter band AKUSTIK BORDER on the perimeter

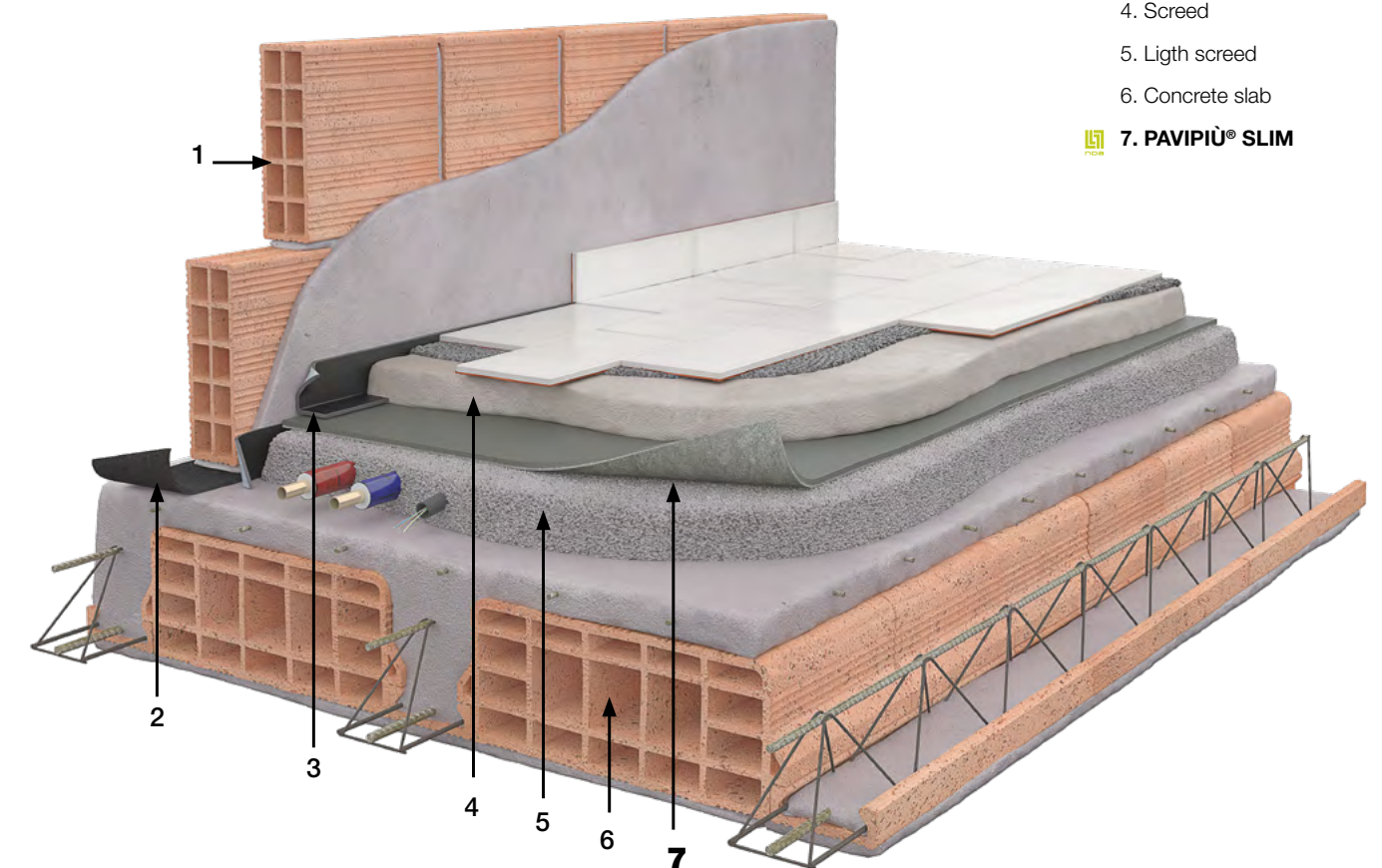
## APPLICATIONS

### IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$L_{n,w} = 53,3 \text{ dB}$

Forecast calculation according to UNI EN 12354-2

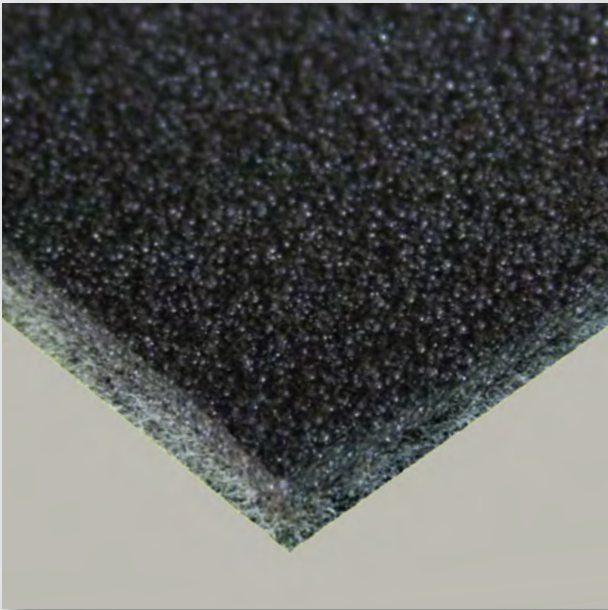


#### LEGEND

1. Light weight masonry
2. WALL BAND®
3. AKUSTIK® BORDER
4. Screed
5. Ligth screed
6. Concrete slab
7. PAVIPIÙ® SLIM



PAVIPIÙ®



ROLLS	h 1500 mm
LENGTH	50 mtl.
THICKNESS	approx. 9 mm
COLOR	dark grey
THERMAL CONDUCTIVITY	$\lambda = 0,036 \text{ W/mK}$
MATERIAL	cross-linked polyethylene d. 33 kg/m³ combined with a special needle punched fabric of 4 mm and weight of 300 g/m²
DYNAMIC STIFFNESS	$s' = 11 \text{ MN/m}^3$
RESONANCE FREQUENCY	37 Hz
IMPROVEMENT OF THE INSULATION	from 28 to 34 dB in function of the screed type of the flooring (calculation made according to UNI EN ISO 12354)

COMPOSITION	Product composed by:
	<b>A</b> Cross-linked polyethylene D. 33 Kg/m³, 5 mm
	<b>B</b> Special needle punched fabric, Weight 300 g/m², 4 mm

PAVIPIÙ® IS THE DOUBLE LAYER ROLL FOR SOUNDPROOF INSULATION OF THE FLOORING WITH EXCELLENT DYNAMIC STIFFNESS CHARACTERISTICS

MATERIAL

Pavipiù® is made with a special layer of linked polyethylene with 5 mm thickness, 33 Kg/m³ density, combined with special needle punched technical fabrics that allow to obtain a very high level of soundproofing insulation for flooring and a good thermal insulation. With overlapping fabric.

FIELDS OF APPLICATION

Pavipiù® is particularly recommended for double layer foundations and is applied over the lightened underlayment screed and the under-screed bed of the flooring. With screeds less than 50 mm the reinforcing of the same is recommended.

INSTALLATION

Quick and easy to apply, it must be taped on the junctions with AKUSTIK® BAND. Pavipiù® must be installed with the technical fabric facing down.

It is recommended to apply the L-shaped polyethylene perimeter band AKUSTIK BORDER on the perimeter.

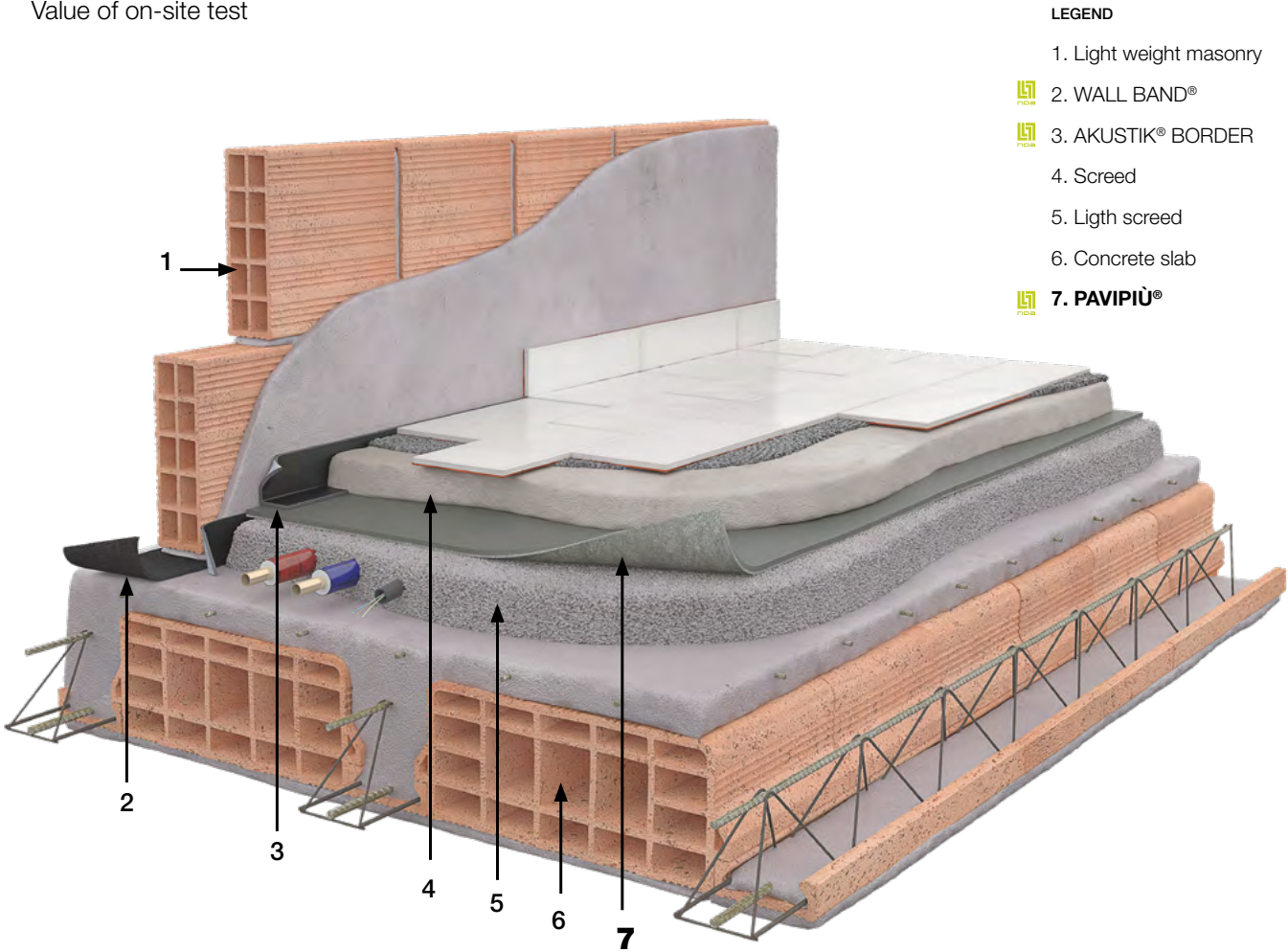
APPLICATIONS

IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$L'_{n,w} = 46,0 \text{ dB}$

Value of on-site test



RESULTS ON-SITE

ON-SITE TESTS ON RESIDENTIAL BUILDING, CAT. A

PAVIPIÙ® on brick ceiling + radiant floor

$L'_{n,w} = 46,0 \text{ dB}$

$L'_{n,w} = 47,0 \text{ dB}$

(Evaluation based on the results of on-site measurements obtained in third octaves using the technical design method UNI EN ISO 140-7)

# PAVIPIÙ® PLUS



ROLLS	h 1500 mm
LENGTH	25 mtl.
THICKNESS	approx. 11 mm
COLOR	dark grey
MATERIAL	cross-linked polyethylene d. 33 kg/m³ combined with a special needle punched fabric of 4 mm and weight of 300 g/m²
DYNAMIC STIFFNESS	$s' = 13 \text{ MN/m}^3$
RESONANCE FREQUENCY	40 Hz
IMPROVEMENT OF THE INSULATION	from 28 to 34 dB in function of the screed type of the flooring (calculation made according to UNI EN ISO 12354)

## COMPOSITION

Product composed by:

**A** Anti-tearing fabric

**B** Cross-linked polyethylene  
D. 33 Kg/m³, 5 mm

**C** Special needle punched fabric,  
Weight 300 g/m², 4 mm

PAVIPIÙ® PLUS IS THE TRIPLE LAYER ROLL FOR THE SOUNDPROOFING INSULATION FOR FLOORING WITH EXCELLENT DYNAMIC STIFFNESS CHARACTERISTICS

## MATERIAL

Pavipiù® Plus is made of a layer of linked expanded polyethylene with a 5 mm thickness, 33 Kg/m³ density combined on the top side to a protection fabric with an anti-tear function and on the bottom side to a special needle punched technical fabric that allows for the achievement of a high level of soundproofing insulation for flooring and good thermal isolation. With overlapping fabric.

## FIELDS OF APPLICATION

Pavipiù® is installed under-screed for sound insulation of footsteps. Thanks to its excellent insulating characteristics, Pavipiù® Plus can be applied to any type of construction where a high level of resistance to tear and walking is required.

## INSTALLATION

Pavipiù® Plus thanks to its lightness and flexibility can be positioned, transported to various floors and shaped very easily. Pavipiù® Plus must be applied to the floor with the special anti-tear fabric positioned facing upwards with screeds less than 50 mm the reinforcing of the same is recommended.

It is recommended to apply the L-shaped polyethylene perimeter band AKUSTIK BORDER on the perimeter.

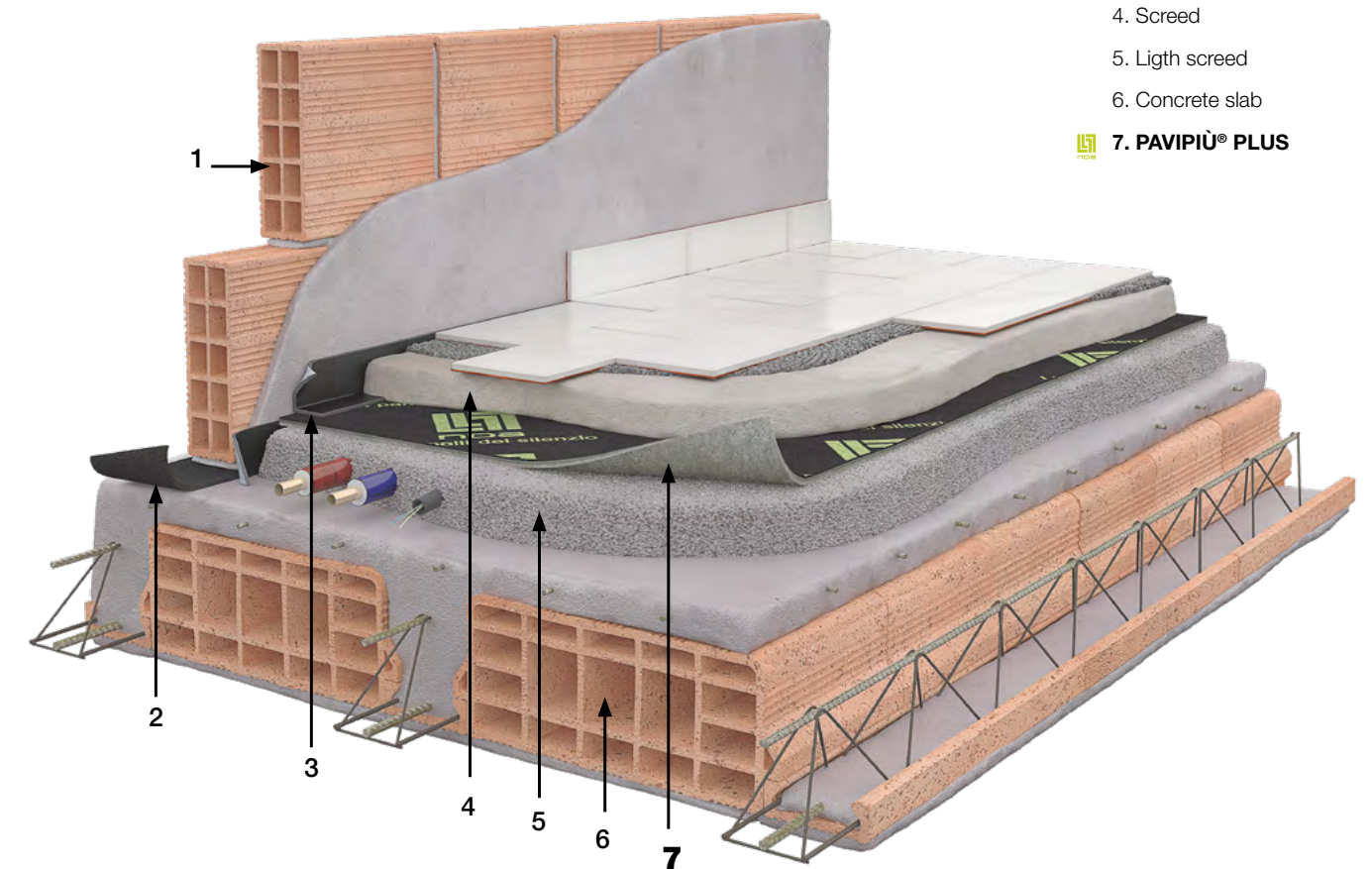
## APPLICATIONS

### IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$L_{n,w} = 48,5 \text{ dB}$

Forecast calculation according to  
UNI EN 12354-2

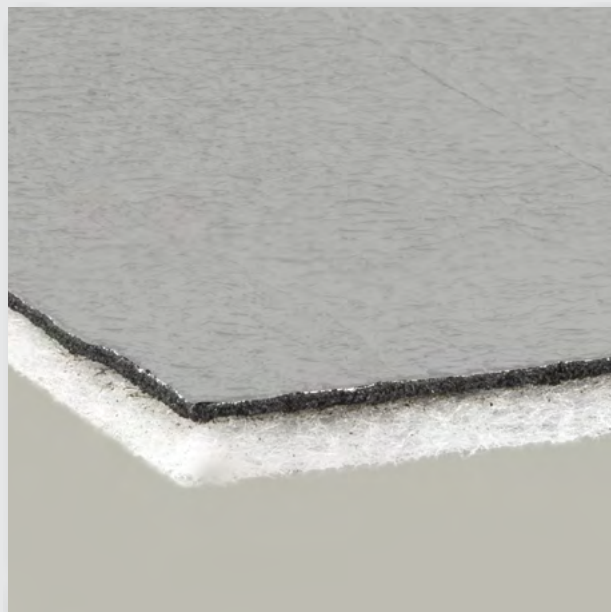


#### LEGEND

1. Light weight masonry
2. WALL BAND®
3. AKUSTIK® BORDER
4. Screed
5. Ligth screed
6. Concrete slab
7. PAVIPIÙ® PLUS



# PHONOSTEP®



ROLLS	h 1050 mm
LENGTH	10 mtl.
THICKNESS	7 mm
COLOR	white
MATERIAL	roll made with polymer protection coated with an aluminium thermal reflecting fabric combined with polyester fiber th. 6 mm
TRACTION RESISTANCE	MD 430 N/5 cm CD 300 N/5 cm
IMPACT INSULATION	$\Delta L$ from 28 to 34 dB depending on the type of screed (forecast calculation according to UNI EN ISO 12354)
TOTAL SURFACE DENSITY	2200 g/m <sup>2</sup>
LENGTHENING	MD 2-3% CD 3-4%
THERMAL CONDUCTIVITY	$\lambda = 0,0431 \text{ W/mK}$
THERMAL RESISTANCE	$R = 0,1647 \text{ m}^2\text{K/W}$
THERMAL TRANSMITTANCE	$U = 6,0716 \text{ w/m}^2\text{K}$
DYNAMIC STIFFNESS	$s' = 11 \text{ MN/m}^3$

PHONOSTEP® IS THE DOUBLE LAYER SOUNDPROOFING INSULATION ROLL FOR FLOORING

## MATERIAL

Phonostep® is the double layer roll for the acoustic insulation of footsteps, made with a polymer protection coated with an aluminium thermal reflecting fabric and combined with a 6 mm thick polyester fiber underlay. Very resistant to tearing and footsteps, it is waterproof and forms a moisture barrier. With overlapping fabric.

## FIELDS OF APPLICATION

Phonostep® is installed under-screed and can be used in all construction methods (single or double screed, lightweight, etc). Particularly indicated for self-levelling screeds.

## INSTALLATION

It must be installed on a clean surface, surmounted using the special lateral selvage. We recommend the application of Akustik® Border, polyethylene 'L' shaped adhesive strip, on the perimeter.

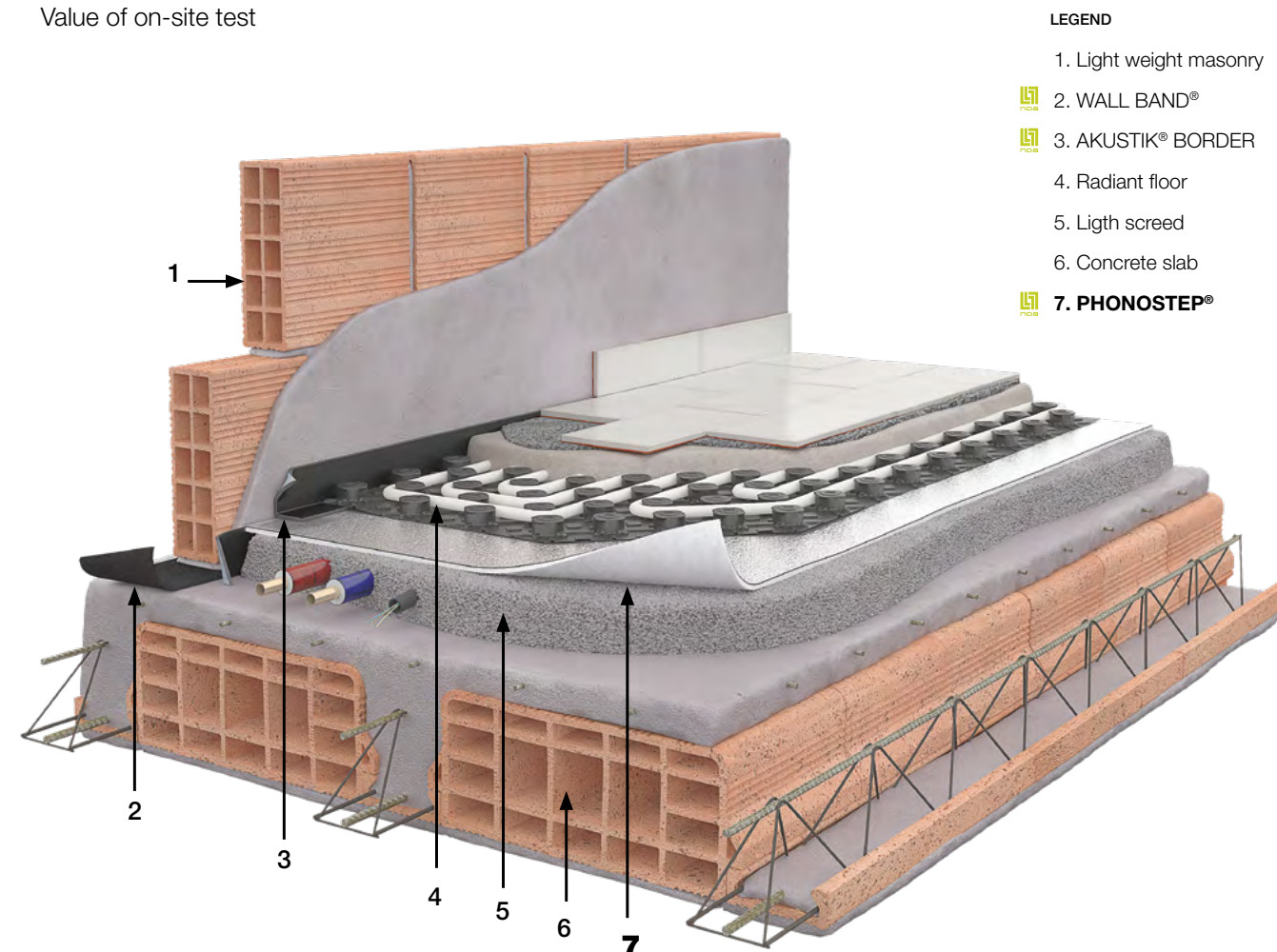
## APPLICATIONS

### IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$L'_{n,w} = 49,0 \text{ dB}$

Value of on-site test



#### LEGEND

1. Light weight masonry
2. WALL BAND®
3. AKUSTIK® BORDER
4. Radiant floor
5. Ligth screed
6. Concrete slab
7. PHONOSTEP®

### RESULT ON SITE

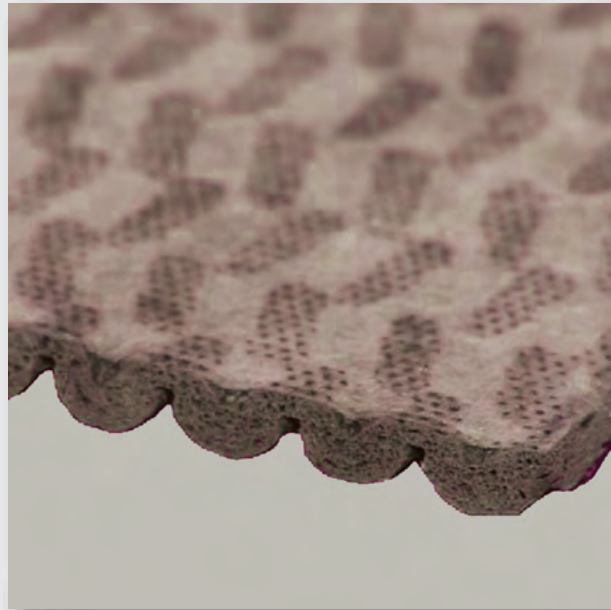
ON-SITE TESTS ON RESIDENTIAL BUILDING, CAT. A

#### Latero-Cement Floor + Radiant Floor

$L'_{n,w} = 49,0 \text{ dB}$

(Evaluation index of normalized sound insulation with respect to reverberation time according to UNI EN ISO 717-1)

# PERFORMANT



ROLLS	h 1,22 m
LENGTH	12,35 m
THICKNESS	10 mm nominal
TOTAL SURFACE DENSITY	3700 g/m <sup>2</sup>
FLOOR INSULATION	ΔL from 28 to 32 dB in function of the type of screed (estimate calculation)
DYNAMIC STIFFNESS	s' = 11 MN/m <sup>3</sup>
RESONANT FREQUENCY	75,75 Hz

PERFORMANT IS A PRODUCT FOR THE SOUNDPROOFING OF FLOORS IN RUBBER LATEX

## MATERIAL

Performant is the rubber latex underlay with high elasticity, weight approximately 3.7 Kg/m<sup>2</sup>, with a special point surface that allows to obtain a high level of acoustic insulation of the flooring.

## FIELDS OF APPLICATION

Performant is recommended for double layer foundations and is applied over the lightened underlayment screed and the under-screed bed of the flooring. With screeds under 50 mm the reinforcement of the same is recommended.

## INSTALLATION

The Performant underlay must be applied with the rough side facing down. The junctions must be put together and taped with adhesive polyethylene tape AKUSTIK® BAND. The detachment from the vertical surfaces is achieved with a perimeter corner junction AKUSTIK® BORDER.

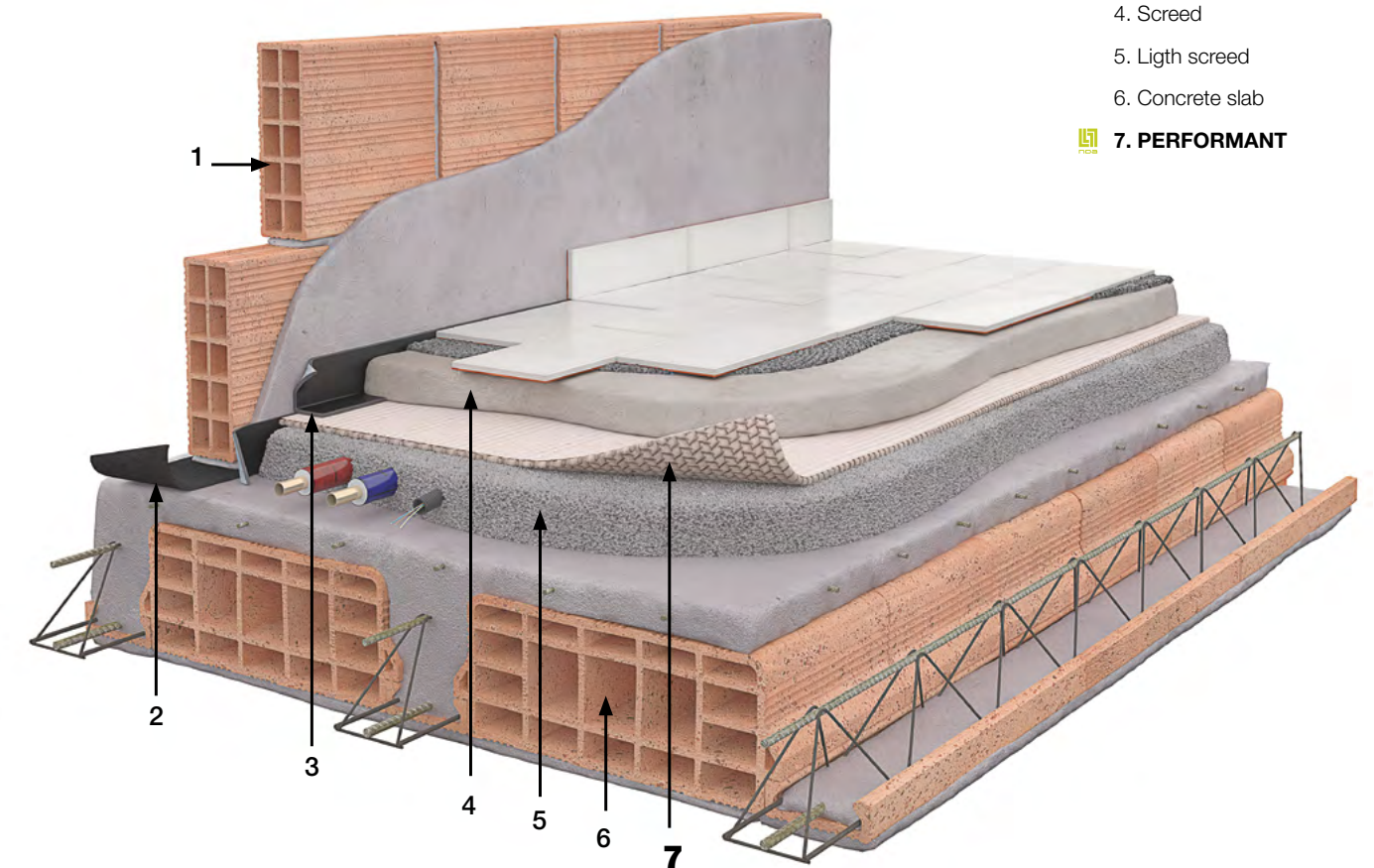
## APPLICATIONS

### IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

$L_{n,w} = 47,4 \text{ dB}$

Forecast calculation according to UNI EN 12354-2



#### LEGEND

1. Light weight masonry
2. WALL BAND®
3. AKUSTIK® BORDER
4. Screed
5. Ligth screed
6. Concrete slab
7. PERFORMANT



ECOROLL®



ROLLS	h 1000 m
LENGTH	MTL 15, th. 3 mm; MTL 12, th. 4 mm; MTL 10, th. 5 mm; MTL 8, th. 6 mm; MTL 6, th. 8 mm
DIMENSIONS TOLERANCE	to DIN 7715 Parte 2
DENSITY	c.ca 750 Kg/m³
THERMAL CONDUCTIVITY	$\lambda = 0,1226 \text{ W/mK}$
PERCENTAGE OF ELONGATION AT BREAKAGE	27%
REACTION TO FIRE	B2 (according to DIN 4102)
SHORE A HARDNESS	50

SOUND-INSULATING AND ECOLOGICAL ROLL FOR ANY KIND OF FOOTFALL NOISES

MATERIAL

Ecoroll is obtained from the agglomeration of vulcanized rubber micro-granules (density 750 Kg/m³). It is an ecological material composed of recycled raw materials and so it is 100% recyclable. Ecoroll has a great sound and thermal insulating power, thanks to its elasticity it is a very good vibration damper and it also has a very high resistance to rending, tearing, compression and abrasion.

FIELDS OF APPLICATION

Ecoroll is widely used under the flooring in order to improve footfall soundproofing. Thank to its exceptional insulating properties, It can be installed in any kind of construction (houses, offices, hospitals, trade centres, etc.).

INSTALLATION

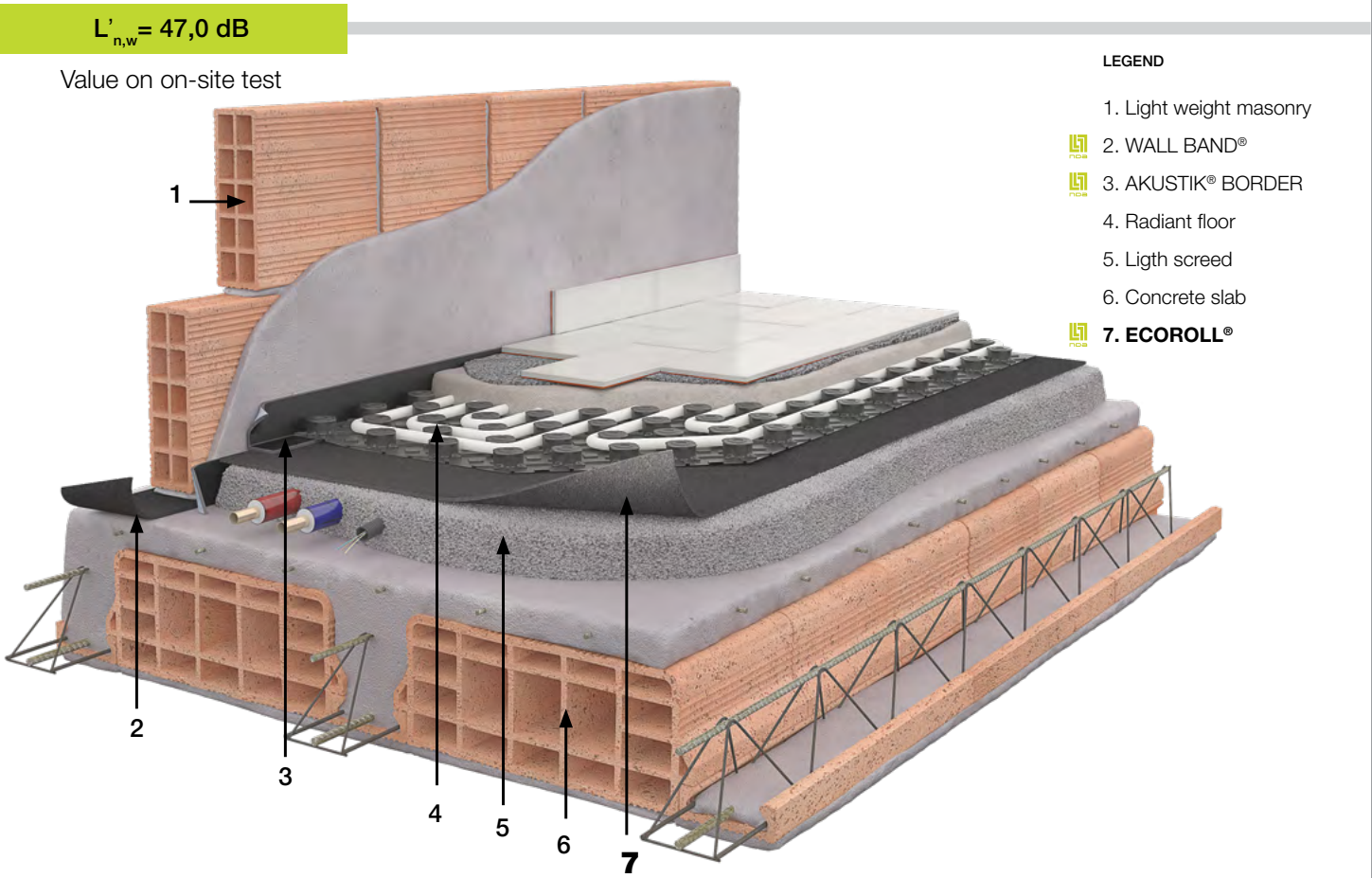
Ecoroll must be installed directly over the rough floor, its extremities must cover up the bottom of the perimetric walls and the installation must look seamless (to speed up the installation, use AKUSTIK® BORDER perimeter band).

To have a good result, we suggest to place a layer of polyethylene under the rough floor. Ecoroll is particularly suitable for both single and double screed systems. It can also be installed under the wooden floors.

APPLICATIONS

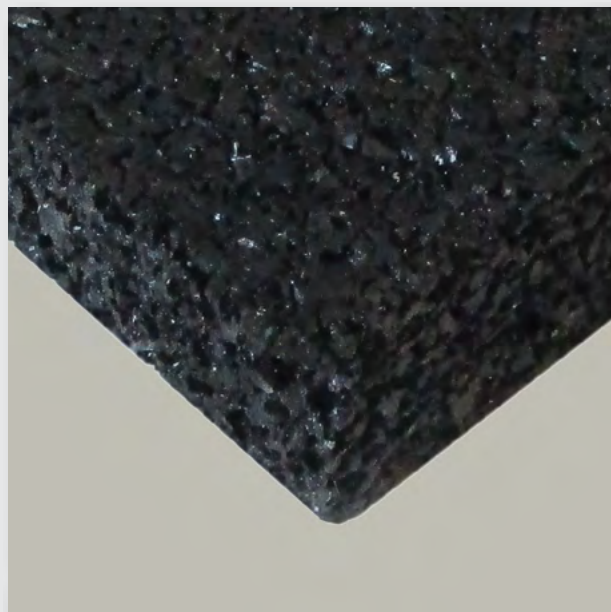
IMPACT SOUND

ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS



RESULTS ON-SITE		ON-SITE TESTS ON RESIDENTIAL BUILDING, CAT. A				
Th. 3 + 3 mm on 50 mm screed, brick slab + wooden floor		Th. 3 mm on brick slab	Th. 5 mm on brick ceiling + radiant floor + parquet	Th. 5 mm on brick ceiling + radiant floor + ceramic tiles		
Result L' <sub>n,w</sub> = 52,0 dB (Evaluation based on the results of on-site measurements obtained in third octaves using the technical design method UNI EN ISO 140-7)		Result L' <sub>n,w</sub> = 62,0 dB (Evaluation based on the results of on-site measurements obtained in third octaves using the technical design method UNI EN ISO 140-7)	Result L' <sub>n,w</sub> = 46,0 dB (Evaluation based on the results of on-site measurements obtained in third octaves using the technical design method UNI EN ISO 140-7)	Result L' <sub>n,w</sub> = 47,0 dB (Evaluation based on the results of on-site measurements obtained in third octaves using the technical design method UNI EN ISO 140-7)		
THICKNESS	3 mm	4 mm	5 mm	6 mm	8 mm	
IMPACT SOUND INSULATION	$\Delta L$ 22,5 dB certified	$\Delta L$ 23,5 dB theoretical value	$\Delta L$ 24,5 dB certified	$\Delta L$ 26 dB theoretical value	$\Delta L$ 28 dB theoretical value	
DYNAMIC STIFFNESS	s' = 83 MN/m³ certified	s' = 66 MN/m³ apparent	s' = 55 MN/m³ certified	s' = 44 MN/m³ apparent	s' = 40 MN/m³ apparent	
RESONANCE FREQUENCY	f <sub>0</sub> 105 Hz	f <sub>0</sub> 91 Hz	f <sub>0</sub> 82 Hz	f <sub>0</sub> 75 Hz	f <sub>0</sub> 71 Hz	
THERMAL RESISTANCE	R 0,025 m²K/W	R 0,025 m²K/W	R 0,042 m²K/W	R 0,049 m²K/W	R 0,065 m²K/W	
THERMAL TRANSMITTANCE	U 40,00 W/m²K	U 40,00 W/m²K	U 23,809 W/m²K	U 20,41 W/m²K	U 15,384 W/m²K	

# ECORUBBER®



WIDTH	1200 mm
LENGTH	1000 mm
THICKNESS	10 mm and 20 mm
COLOR	black
DENSITY	750 Kg/m³
THERMAL CONDUCTIVITY	$\lambda = 0,113 \text{ W/mK}$
DYNAMIC STIFFNESS	th. 10 mm $s' = 45 \text{ MN/m}^3$ th. 20 mm $s' = 36 \text{ MN/m}^3$

SOUND-INSULATING AND ANTIVIBRATION PANEL IN VULCANISED RUBBER GRANULES WITH HIGH DENSITY

## MATERIAL

L'Ecorubber® is made of vulcanised high quality rubber granules, density 750 Kg/m³, resistant to high and low temperatures (-60°C +200°C). The high quality of the rubber granule allows the Ecorubber® to have an extraordinary mechanical, thermal and chemical resistance to humidity and oils; furthermore it has an excellent dimensional stability. It doesn't mould or create dust.

## FIELDS OF APPLICATION

Ecorubber® is an excellent sound-insulating material largely used, both for masonry and plasterboard walls, and for the soundproof treatment of floors and false ceilings. It is installed in discotheques, cinemas, pubs as well as in houses and commercial buildings. Ecorubber® is also a good antivibration material used by railway industry. Furthermore this product can be installed in strips of variable width to be placed between the masonry wall and the floor (see WALL BAND product).

## INSTALLATION

For walls and partitions: use NDA KOLL glue and plastic fixing. For floors: to ground dry under the underfloor reinforced with an arc welded net.

## APPLICATIONS

### IMPACT SOUND

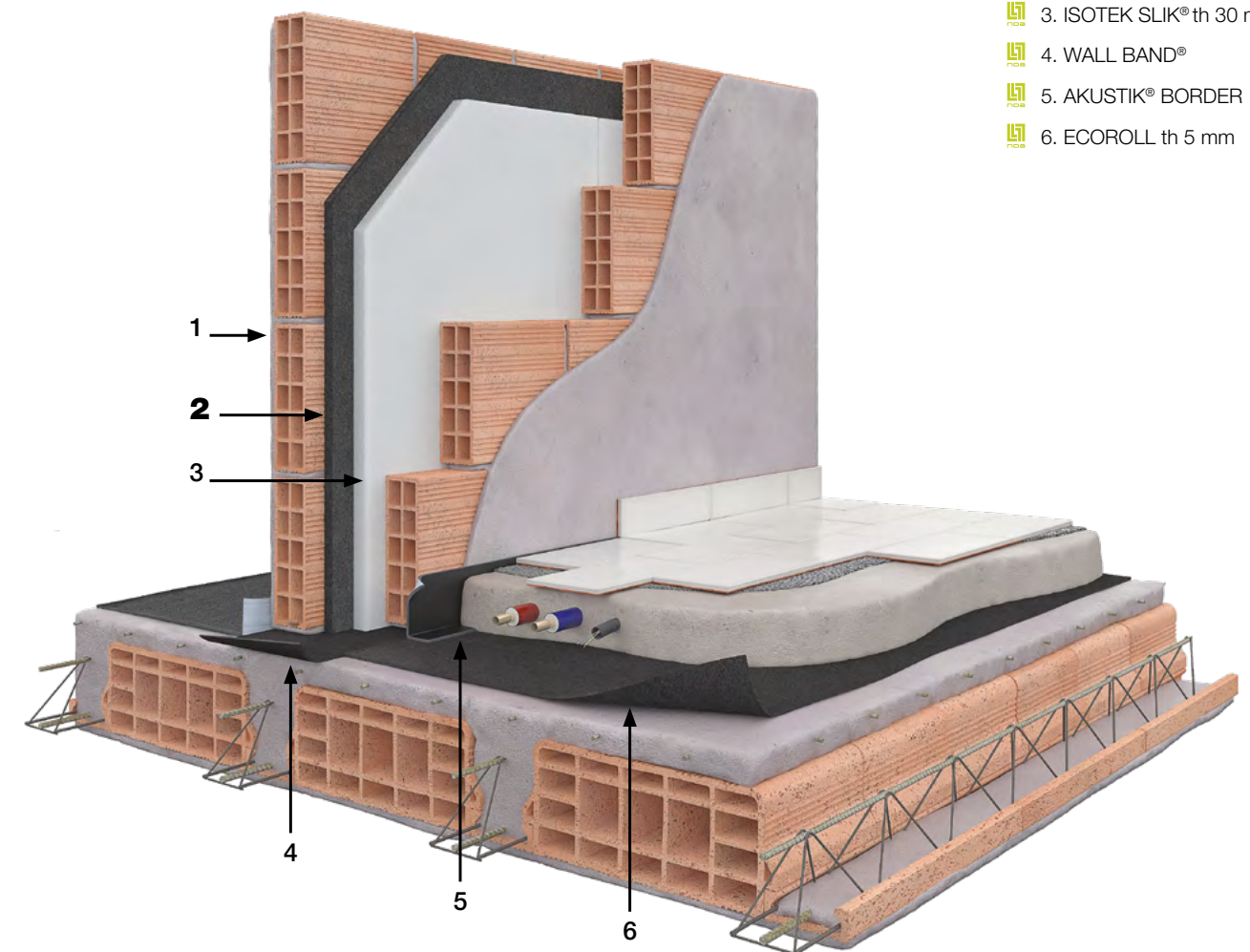
ACOUSTIC INSULATION OF THE HORIZONTAL PLANE IN TRADITIONAL CONSTRUCTIONS WITH HIGH PERFORMANCE PRODUCTS

Rw = 53,5 dB

Certificate 33416-04 IEN  
Galileo Ferraris

#### LEGEND

1. Light weight masonry
2. Ecorubber® th 20 mm
3. ISOTEK SLIK® th 30 mm
4. WALL BAND®
5. AKUSTIK® BORDER
6. ECOROLL th 5 mm





# WALL - BAND



PRODUCT IN ROLLS

WIDTH	10, 12, 15, 20, 30 cm, etc.
THICKNESS	3, 4, 5 mm (other on request)
DIMENSIONS TOLERANCE	to DIN 7715 Part 2
DENSITY	750 Kg/m³
MATERIAL	agglomerated micro-granules of vulcanised rubber
RIGIDITÀ DINAMICA	th. 3 mm s' = 83 MN/m³ th. 4 mm s' = 66 MN/m³ th. 5 mm s' = 55 MN/m³

WALL-BAND IS THE VULCANISED RUBBER BAND ESSENTIAL FOR THE SOUNDPROOFING OF WALLS AND FLOORS

MATERIAL

Wall-Band is made of high density vulcanised rubber granules (750 Kg/m³).  
The high elasticity and the compressive strength make the Wall- Band the band separation strip for excellence. It is an essential accessory for obtaining high values on impact noise insulation and on acoustic walls insulation.

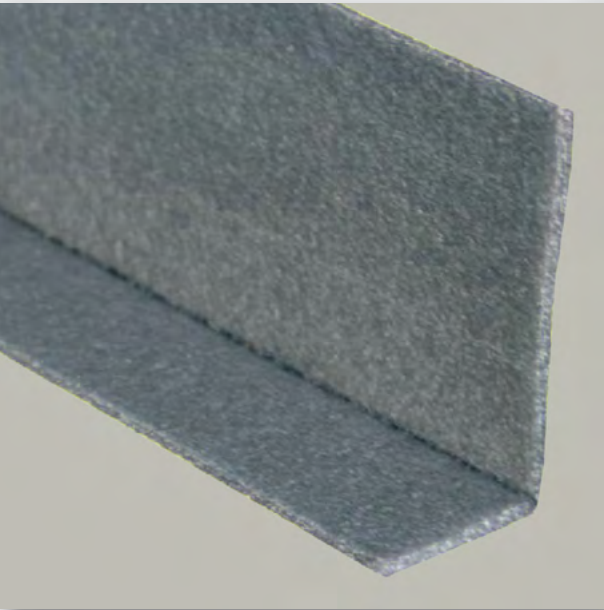
FIELDS OF APPLICATION

Wall-Band must be installed over the walls in continuity with soundproofing material placed over the rough floor to separate walls and floors, preventing acoustical bridges and optimizing footfall soundproofing and air insulation.

INSTALLATION

Wall-Band must be placed directly over the rough floor and under the partition wall.

# AKUSTIK® - BORDER



AKUSTIK®-BORDER IS THE 'L-SHAPED' BAND FOR THE PERIMETRICAL WALLS, WITH AN EASY AND FAST APPLICATION

MATERIAL

L'Akustik®-Border is made of an expanded polyethylene with a cell-closed structure and a "L" shape. It must be placed between the perimetral wall and the floor to avoid their contact.

FIELDS OF APPLICATION

Akustik®-Border can be used in all the footfall soundproofing insulation systems, as an essential adjunct to realize a perfect footfall soundproofing.

INSTALLATION

Akustik®-Border has a self-adhesive side and it is very easy to be installed.  
This material must be placed between the wall and the floor and cut after the flooring.  
Akustik®-Border avoids the difficult and unclear lapel of the insulating material on the perimeter walls. The part that is overlapped must be cut after floor laying and grouting



A black and white photograph of an astronaut standing on the moon's surface. The astronaut is wearing a full spacesuit and is positioned in the center-right of the frame. The ground is covered in lunar dust and rocks. A long shadow of the astronaut is cast across the foreground. In the lower-left corner, a small American flag is visible. A thin vertical pole is on the left side of the image. The overall scene is desolate and brightly lit.

# SOUND INSULATORS

For Walling Partitions



# 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.

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

## 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

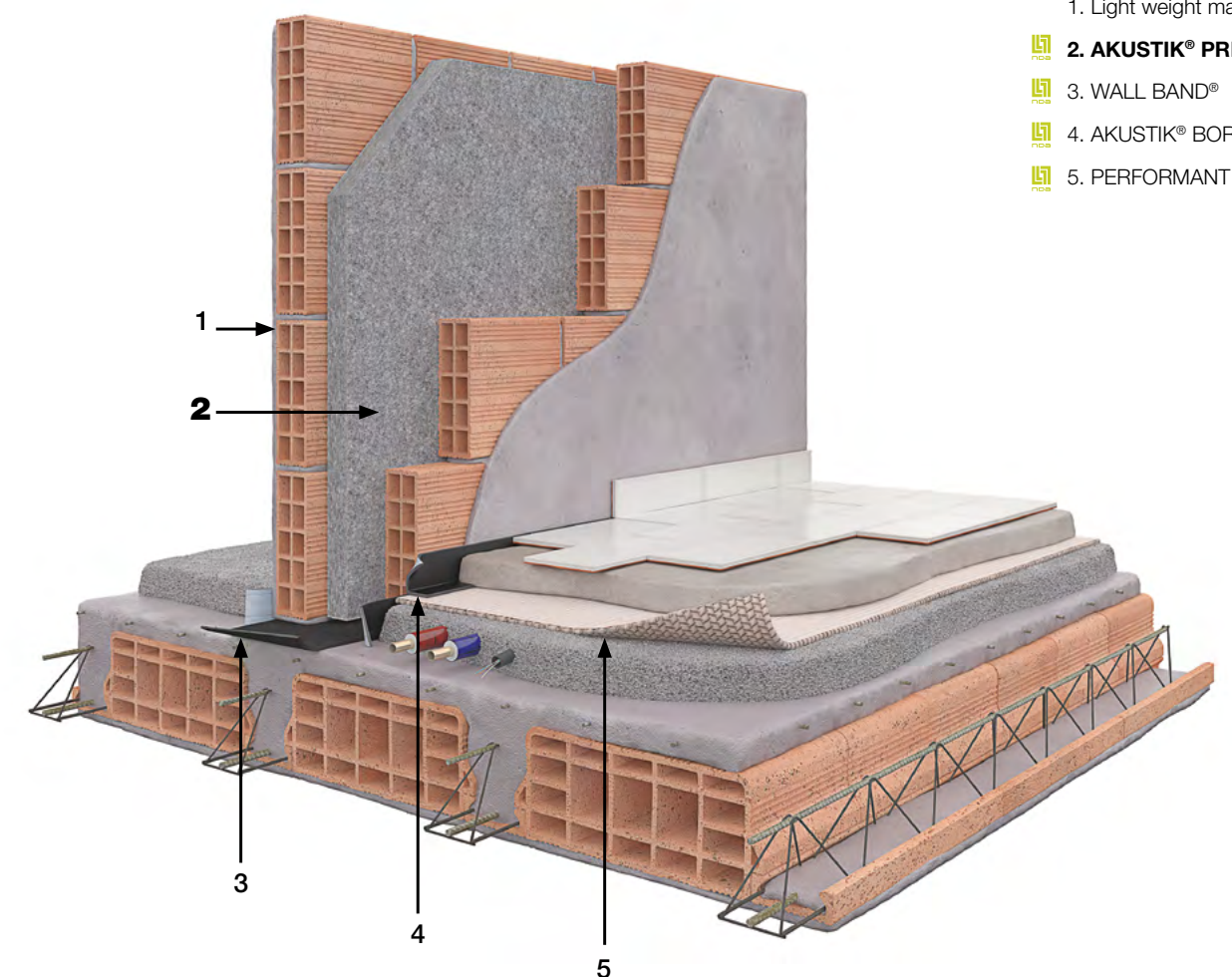
## APPLICATIONS

### 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

# AKUSTIK® - C1



SOUND- ABSORBENT, SOUND-INSULATING PANEL MADE OF RUBBER AND POLYURETHANE AGGLOMERATION

## MATERIAL

L'Akustik®-C1 is the agglomeration of rubber and polyurethane with a density of 120 Kg/m³. It is made by more than 90% of recycled materials and it is 100% recyclable. The Akustik®-C1 is elastic and transpiring and it can be easily shaped over many different surfaces according to the applications.

PANELS	2000x1000 mm, 1000x1000 mm, 600x1000 mm
THICKNESS	10 - 20 - 30 - 40 - 50 mm etc.
DENSITY	120 Kg/m³
REACTION TO FIRE	Euroclass E

## FIELDS OF APPLICATION

The Akustik®-C1 is widely used as a sound-absorbent and sound-insulating material in industrial factories and in generators, and in buildings partitions made of bricks or plasterboards as well.

## INSTALLATION

The product can be easily installed thanks to its flexibility using NDA VIL glue on every surfaces, if they are free from oils, dust, and grease.

The product can also be supplied with self-adhesive surface to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

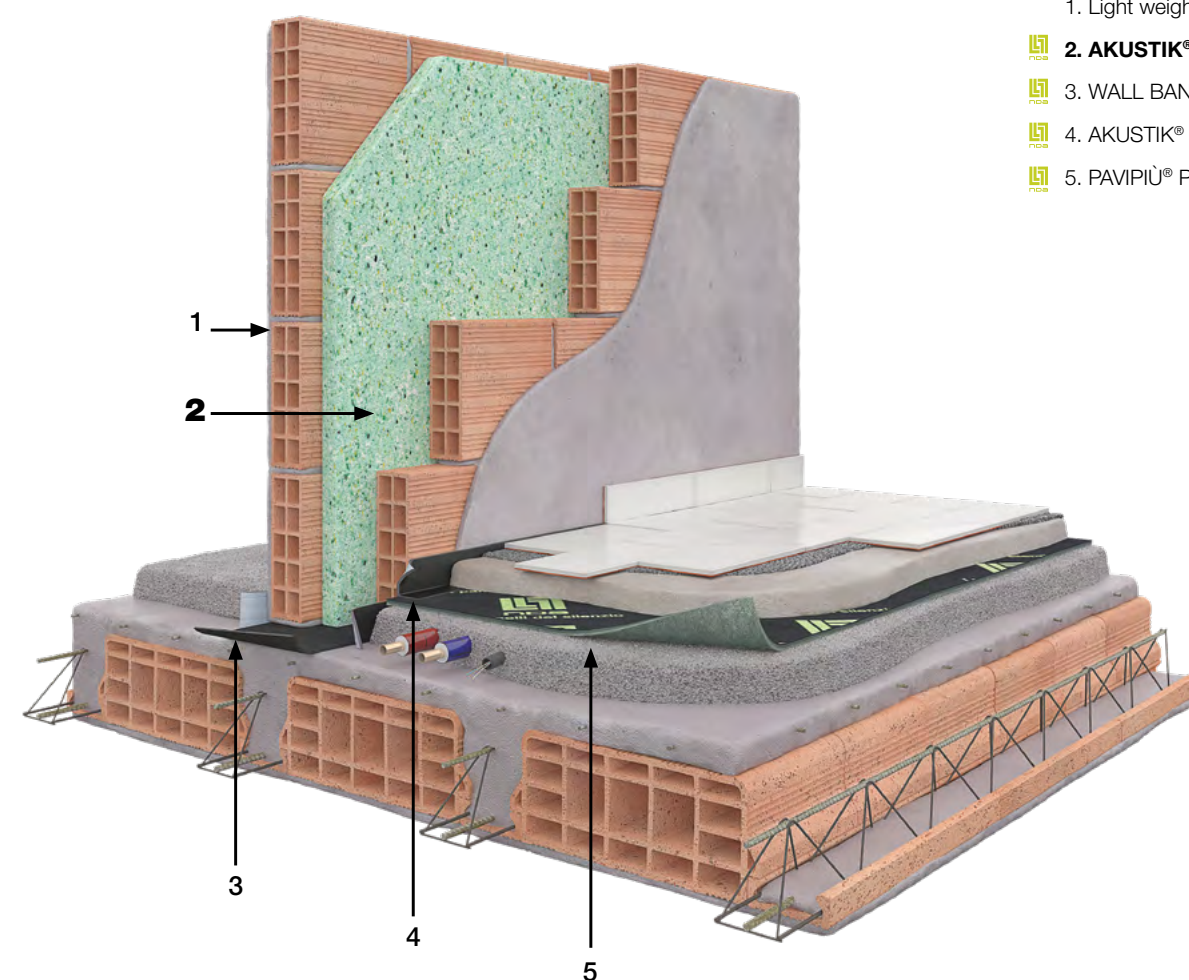
## APPLICATIONS

### SOUND INSULATION

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

Rw = 58,0 dB

theoretical value



#### LEGEND

1. Light weight masonry
2. AKUSTIK® - C1 40 mm
3. WALL BAND®
4. AKUSTIK® BORDER
5. PAVIPIÜ® PLUS



# AKUSTIK® - ONE

CE MARKED PRODUCT



WIDTH	1000 mm
LENGTH	600 mm
THICKNESS	35 mm
DIMENSIONS TOLERANCE	to DIN 7715 Part 2
SOUND INSULATION VALUES	certified $R_w = 30,0$ dB (panel itself) certified $R_w = 58,0$ dB (between two 8cm hollow bricks)
WEIGHT	10 Kg/m <sup>2</sup>
THERMAL CONDUCTIVITY	$\lambda = 0,036$ W/mK

THREE-LAYERS SOUND-INSULATING AND SELF-SUPPORTING PANEL WITH PROTECTIVE ENVELOPE

## MATERIAL

Akustik® One is a panel made up by an EPDM rubber mass placed between a polyester fiber panel density 60 Kg/m<sup>3</sup> and a agglomerated polyurethane layer, density 120 Kg/m<sup>3</sup>, with a total weight of 10 Kg/m<sup>2</sup> and a 35 mm thickness. Product completely bitumen free.

## FIELDS OF APPLICATION

L'Akustik® One is an excellent sound-insulating material that is largely used for partitions walls, both in masonry and in plasterboard and for any kind of false ceiling in order to decrease the noise caused by the structures with little mass. Furthermore, Akustik® One is also a good heat-insulating material.

## INSTALLATION

Akustik® One is a soundinsulating panel fast and easy to be installed. This product is kept clean from a protective envelope that turns Akustik® One into a handy and resistant material as far as maintenance and installation are concerned. Akustik® One must be installed in between an existent wall and a second wall built up in contact with the panel, just placed without fixings, or alternatively fixed with plastic-jacket screws or glued, always taking care of the continuity of the panels and avoiding spaces left uncovered by the material. It can be sealed using AKUSTIK BAND. It can be easily cut and it is possible to install it without its plastic envelope.

Once installed, a second wall can be built up in contact in hollow bricks.

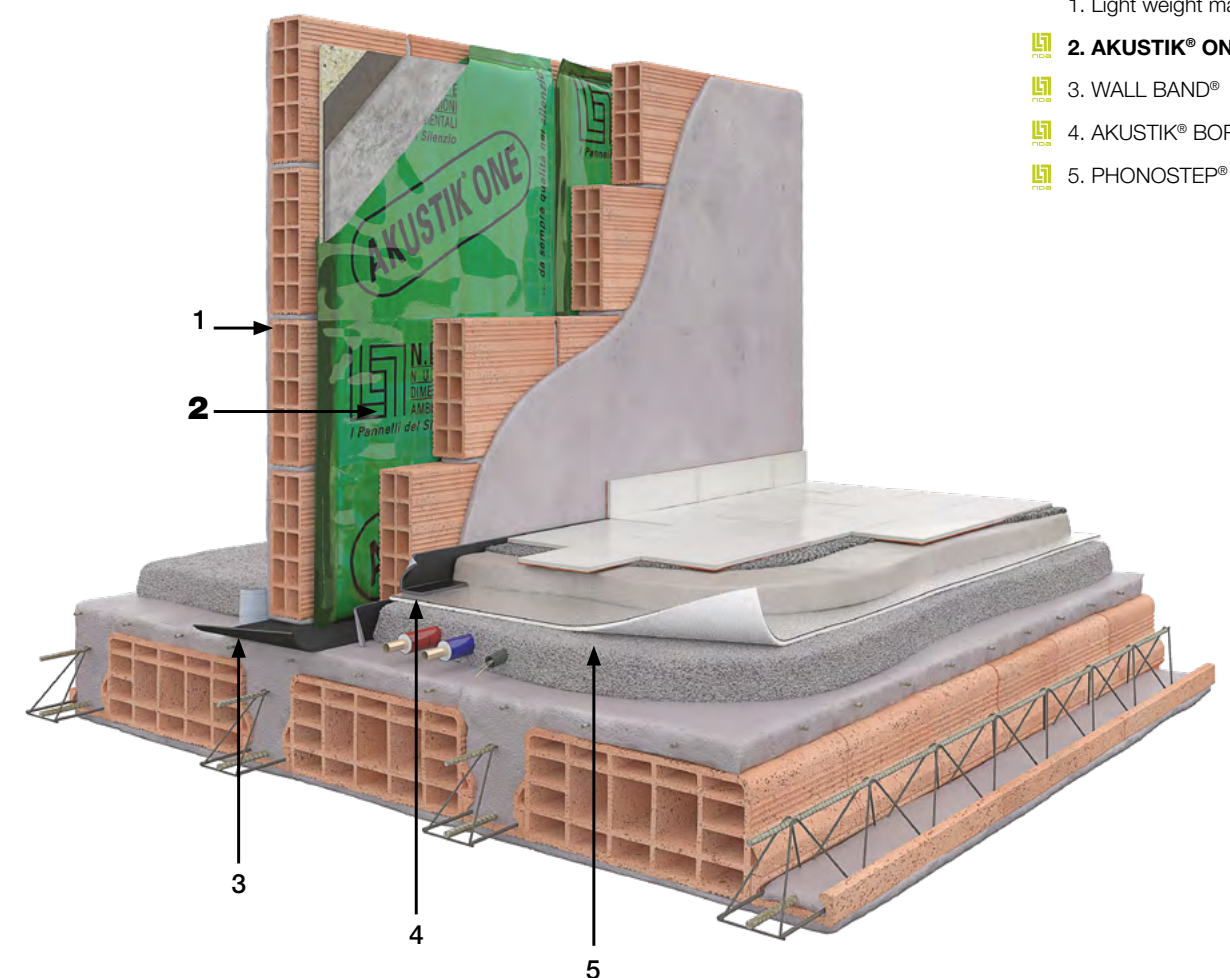
## APPLICATIONS

### SOUND INSULATION

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

$R_w = 58$  dB

Certificate  
0026-C/DC/ACU/03CSI



#### LEGEND

1. Light weight masonry
2. AKUSTIK® ONE
3. WALL BAND®
4. AKUSTIK® BORDER
5. PHONOSTEP®

# AKUSTIK® - WOOD

CE MARKED PRODUCT



WIDTH	1400 mm
LENGTH	600 mm
THICKNESS	40 mm; 44 mm
DIMENSIONS TOLERANCE	to DIN 7715 Part 2
SOUND INSULATION VALUES	Rw = 32,0 dB (panel itself)
SOUND INSULATION VALUES	Rw = 64,0 dB (between two 8 cm hollow bricks) with 3 coats
WEIGHT	5,2 Kg/m <sup>2</sup>
REACTION TO FIRE	Wood board euroclass E, Polyester fiber B-s2, d0

COMPOSITION Try-layer product composed by:



**A** Wood fiber panels D. 250 Kg/m<sup>3</sup>, 10 mm

**B** Polyester fiber D.30 Kg/m<sup>3</sup>, 20 mm

**C** Wood fiber panels D. 250 Kg/m<sup>3</sup>, 10 mm

HARD-ELASTIC SELF-SUPPORTING PANEL FOR HEAT, SOUND INSULATION AND ACOUSTIC ABSORPTION

## MATERIAL

Akustik®Wood is the combination of a polyester fiber layer (density 30 Kg/m<sup>3</sup>) placed between two panels of pressed wood fiber (250 Kg/m<sup>3</sup>), with a total weight of 5,2 Kg/m<sup>2</sup> and a total thickness of 40 mm or 44 mm.

## FIELDS OF APPLICATION

Akustik®Wood is largely used for masonry partition walls, wherever both thermal and sound insulation are required, with excellent performances on sound insulation and acoustic absorption. Akustik® -Wood is mainly employed for external walls or partition walls between two apartments.

## INSTALLATION

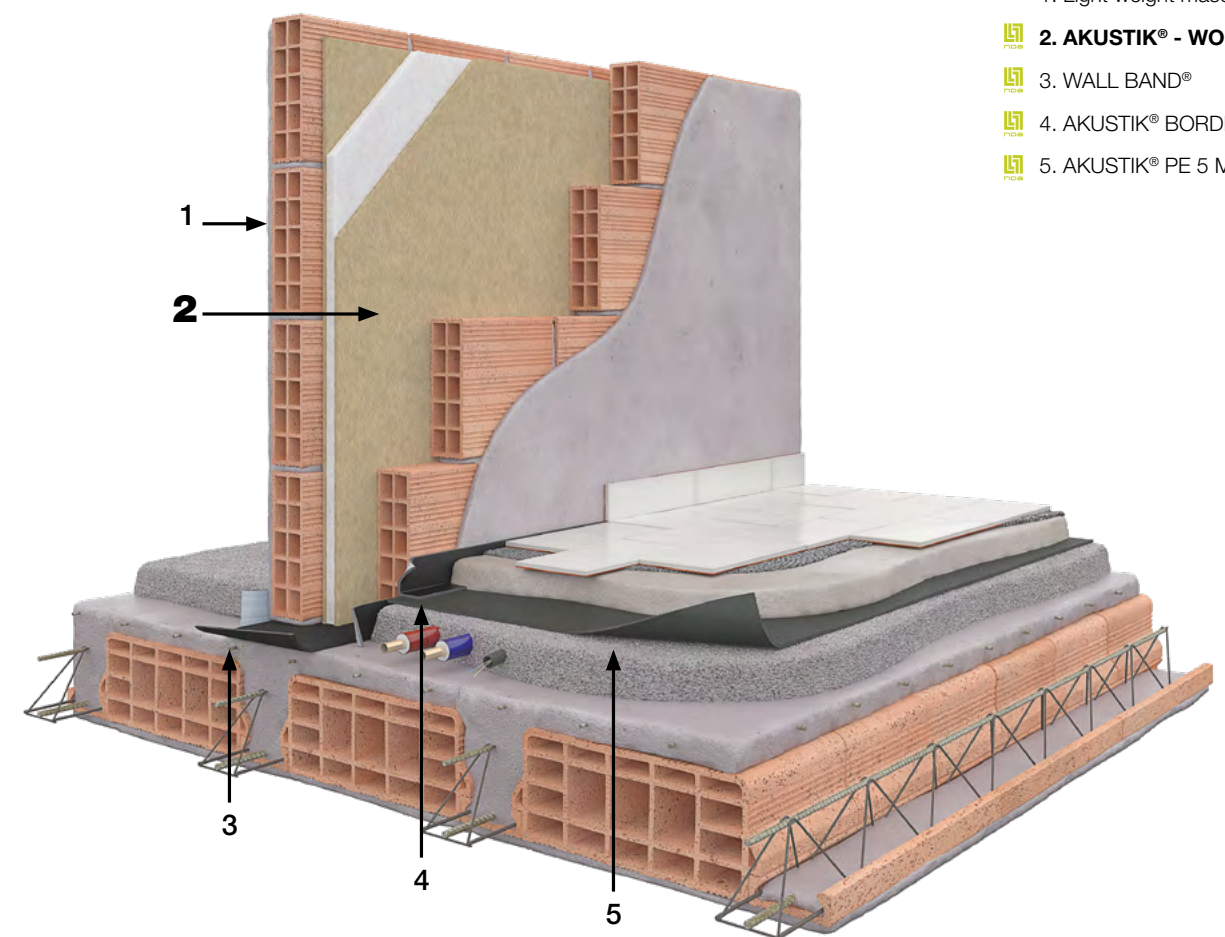
Akustik®Wood must be installed in between two walls boards with the utmost care, paying attention to the continuity of the panel. The panel can be fixed using FORTECEM dB+ cement mortar and sealing the joints using AKUSTIK BAND. Once the installation has been completed it is possible to proceed with building a second perforated brick cladding wall.

## APPLICATIONS

### SOUND INSULATION

ACOUSTIC INSULATION OF VERTICAL PARTITIONS IN TRADITIONAL BUILDINGS WITH HIGH PERFORMANCE PRODUCTS

Rw = 64 dB



#### LEGEND

1. Light weight masonry

2. AKUSTIK® - WOOD

3. WALL BAND®

4. AKUSTIK® BORDER

5. AKUSTIK® PE 5 MM






# PARET-ONE®

CE MARKED PRODUCT



WIDTH	1200 mm
LENGTH	2000, 3000 mm
THICKNESS	52 mm
WEIGHT	16 Kg/m²
THERMAL CONDUCTIVITY	Polyester fiber $\lambda = 0,035 \text{ W/mK}$ Plasterboard $\lambda = 0,21 \text{ W/mK}$
REACTION TO FIRE	Polyester fiber B-s2, d0 Plasterboard A2-s1, d0

COMPOSITION Try-layer product composed by:

	A Polyester fiber 20 mm
	B Plasterboard 12,5 mm
	C Polyester fiber 20 mm

PARET - ONE® IS THE TRIPLE LAYER PRODUCT FOR INSULATION OF VERTICAL WALLS BETWEEN HOUSING UNITS

## MATERIAL

Paret-One® is a three-layer product achieved by combining a plasterboard panel decoupled from a double layer of variable density polyester fiber with excellent thermal and acoustic insulation characteristics.

## FIELDS OF APPLICATION

It is widely used in partitions, where a high level of soundproofing together with good thermal insulation characteristics is required. The high level of soundproofing characteristics of the product make it the best choice for divisor walls between housing units.

## INSTALLATION

Paret-One® boards have to be installed with the utmost care, paying attention to the continuity of the panel. Paret-One® is installed by bonding to the existing walling, fastened using FORTECEM dB+ cement mortar. Once the installation has been completed it is possible to proceed with building a second perforated brick cladding wall.

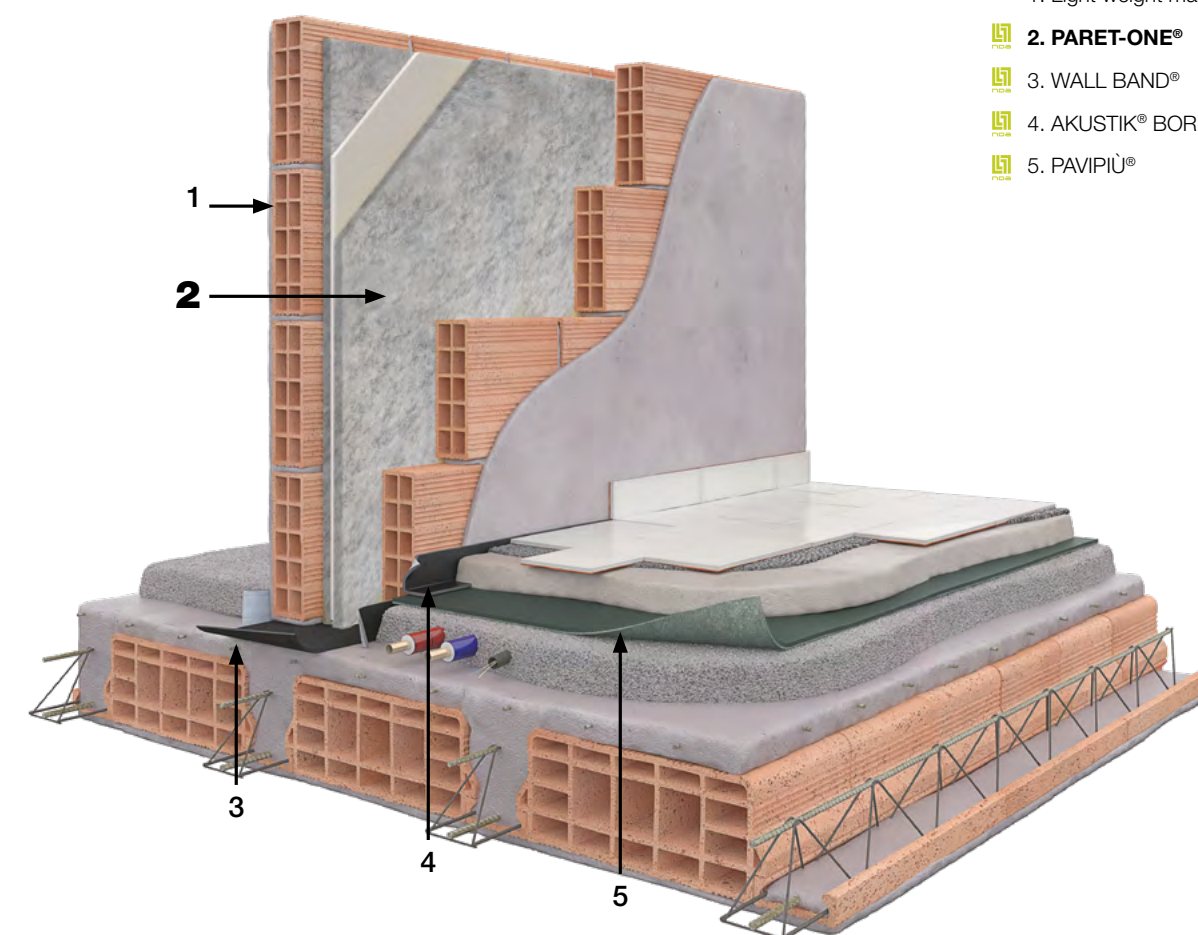
## APPLICATIONS

### SOUND INSULATION

ACOUSTIC INSULATION OF VERTICAL PARTITIONS IN TRADITIONAL BUILDINGS WITH HIGH PERFORMANCE PRODUCTS

R'w = 60 dB

value on on-site test



#### LEGEND

1. Light weight masonry
2. PARET-ONE®
3. WALL BAND®
4. AKUSTIK® BORDER
5. PAVIPIÙ®



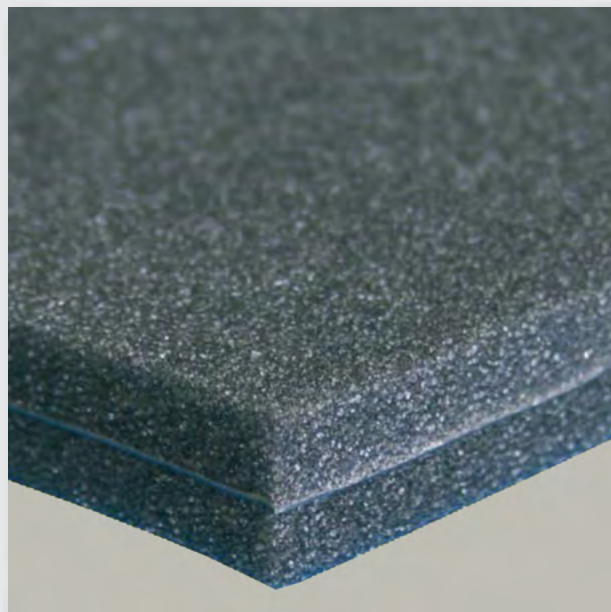
A grayscale photograph of an astronaut standing on the moon's surface. The astronaut is wearing a full spacesuit and is positioned on the left side of the frame. The lunar surface is covered in dust and small rocks, with a long shadow cast by the astronaut across the foreground. The background shows the horizon of the moon.

# SOUND INSULATION

Lead and Epdm  
Sound Insulation



# AKUSTIK® - METAL SLIK ART. 1



POLYURETHANE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER

## MATERIAL

Combination of two layers of polyester-based polyurethane foam, density 35 Kg/m<sup>3</sup> separated by a lead sheet with 0,35/0,50 mm thickness to absorb medium and low frequencies. Resistant to temperatures from -10°C to +90°C.

## FIELDS OF APPLICATION

Used for sound insulated walls where the reflecting power of lead needs to be combined with a certain absorption power of the polyurethane. Insulation of spaces, engine housings, partition walls, ceilings, machinery garages, compartment linings, etc. Whenever protection from external agents such as oil, grease, dust, and water is required, the panel can be supplied in versions with a protective film applied to the surface.

## INSTALLATION

Using NDA KOLL adhesive on the flat and curved surfaces of any kind, provided they are free of dust, oil and grease. In the case of ceiling applications the use of special fixing devices is recommended. The product can also be supplied with self-adhesive surfaces to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

WIDTH	1000 mm
LENGTH	1000, 3000 mm
THICKNESS	20 - 30 - 40 mm Altri su richiesta
POLYURETHANE DENSITY	35 Kg/m <sup>3</sup>
LEAD THICKNESS	0,35 / 0,50 mm
SOUND INSULATION VALUES	Certified Rw = 29,0 dB (th. 20 mm, Pb 0,50 mm)
REACTION TO FIRE	polyurethane HF1 (to UL94)

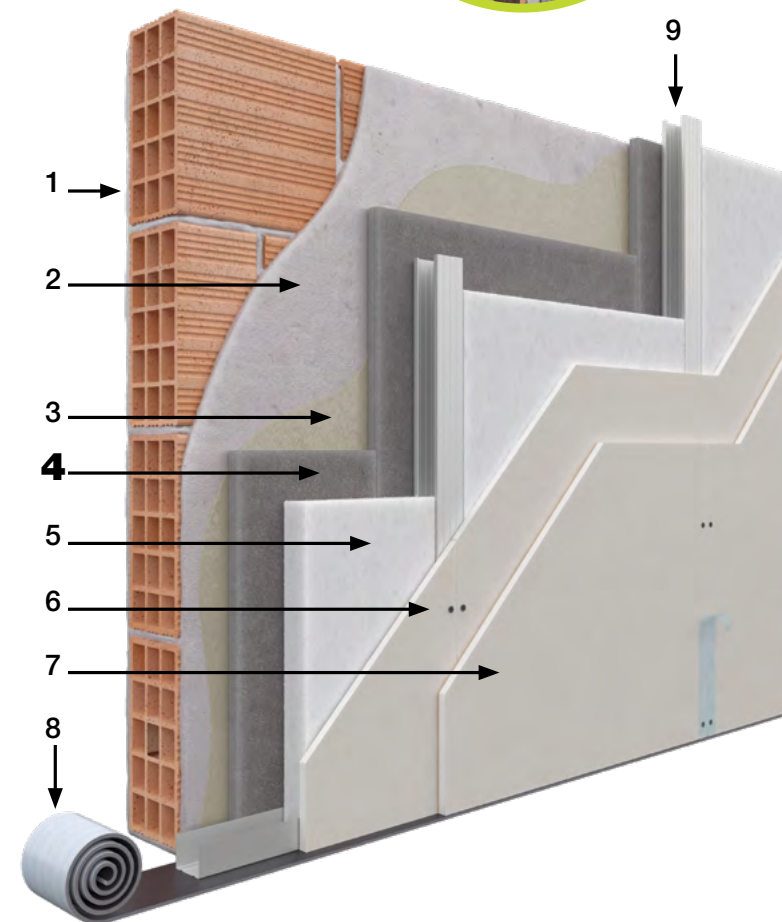
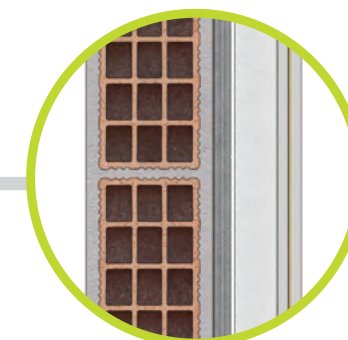
## APPLICATIONS

## SOUND INSULATION

THERMAL AND ACOUSTIC INSULATION OF WALLS AND FALSE CEILINGS THROUGH HIGH PERFORMANCE SYSTEMS

Rw= 68 dB

Certificate 331864 I.G.

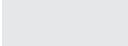

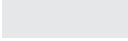


## LEGEND

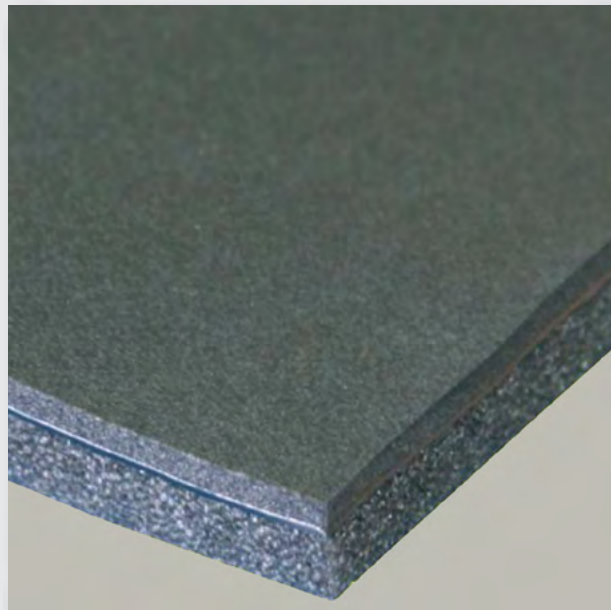
1. Light weight masonry
2. Cement mortar
3. NDA KOLL
4. **AKUSTIK® METAL SILK ART. 1**  
Th 20 mm PB 0,35 mm
5. AKUSTIK® SOFT Th 20mm  
D. 30 Kg/m<sup>3</sup>
6. Plasterboard  
BA 12,5 mm
7. AKUSTIK® GIPS ART. 2
8. AKUSTIK® BAND
9. Guides and uprights 50 mm

## COMPOSITION

Try-layer product composed by:

-  **A** Flat 10, 20 mm thick polyurethane
-  **B** Lead 0,35, 0,50 mm
-  **C** Flat 10 , 20 or 30 mm thick polyurethane

# AKUSTIK® - METAL SLIK ART. 5



WIDTH	1000 mm
LENGTH	2000 mm
THICKNESS	13 (10+3) mm; 23 (20+3) mm; Other upon request
DIMENSIONS TOLERANCE	to DIN 7715 Part 2
POLYURETHANE DENSITY	35 Kg/m <sup>3</sup>
CROSS-LINKED POLYETHYLENE DENSITY	33 Kg/m <sup>3</sup>
LEAD THICKNESS	0,35 / 0,50 mm
SOUND INSULATION VALUES	certified Rw = 27,0 dB (th. 15 mm, Pb 0,35 mm)
REACTION TO FIRE	Euroclass E, E <sub>fl</sub> (to EN 13501-1: 2009)

THE SOUND-ABSORBING PANEL IN CROSS-LINKED POLYETHYLENE AND EXPANDED POLYURETHANE WITH INTERMEDIATE LEAD LAYER

## MATERIAL

Akustik® Metal slik Art. 5 is the combination one layer of polyester- based and expanded polyurethane foam and one layer of cross-linked polyethylene foam, separated by a 0,35-0,50 mm lead sheet, specific for the acoustic insulation of the pipes.

## FIELDS OF APPLICATION

Thanks to its extreme flexibility and malleability, Akustik® Metal slik Art. 5 is specific for sound insulation of piping, ducts, engine rooms, machinery, conduits in general. Whenever protection from external agents such as oil, grease, dust and water is required, the panel can be supplied with a protective film applied to the surface.

## INSTALLATION

The product can be easily cut and shaped. For pipes insulations, place the polyurethane surface (the thicker one) on the pipe and then secured it by clamps. If necessary, use adhesive NDA KOLL on flat or curved surfaces, provided they are free of dust, oil and grease. For ceiling or walls installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

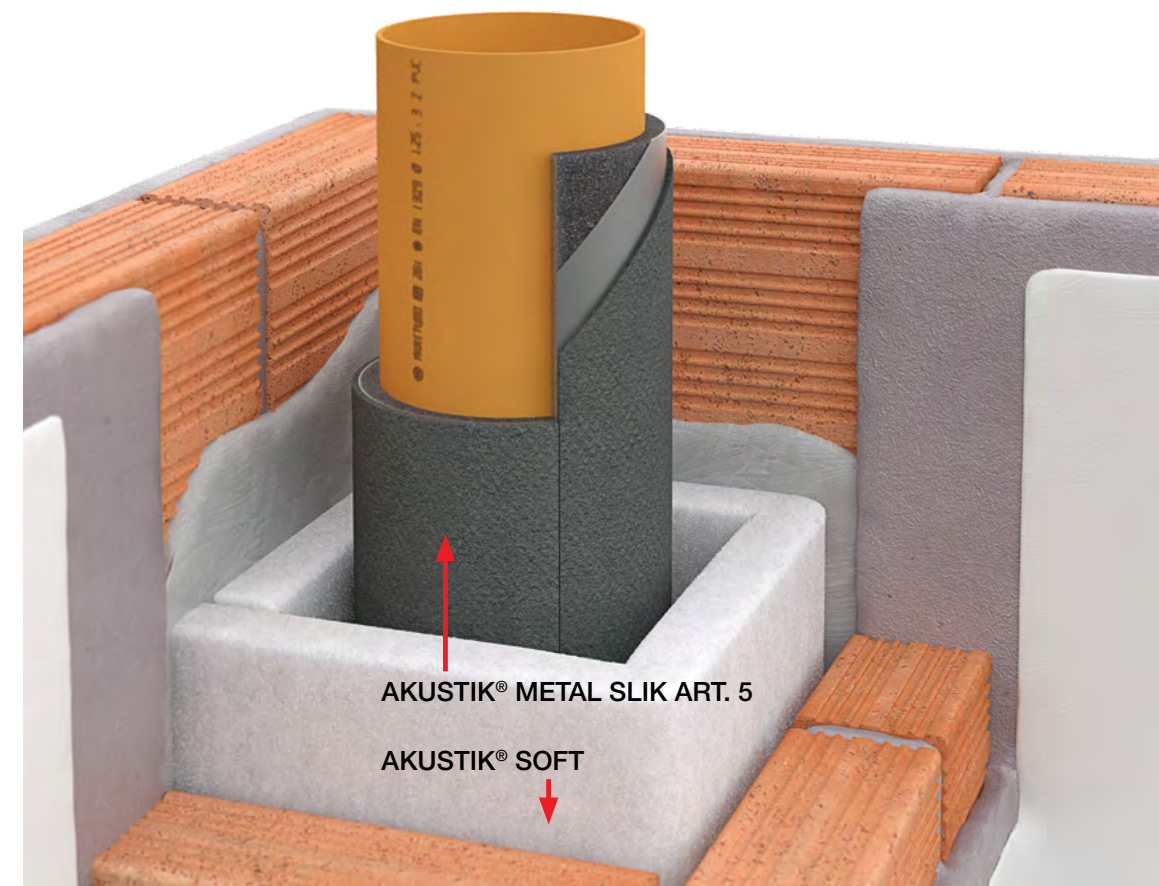
The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

## APPLICATIONS

### SOUND INSULATION

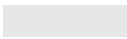

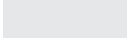
THERMAL AND ACOUSTIC INSULATION OF AERIAL AND STRUCTURAL NOISES OF PIPES AND SYSTEMS

$$L'_{n,w} \leq 35,0 \text{ dB}$$



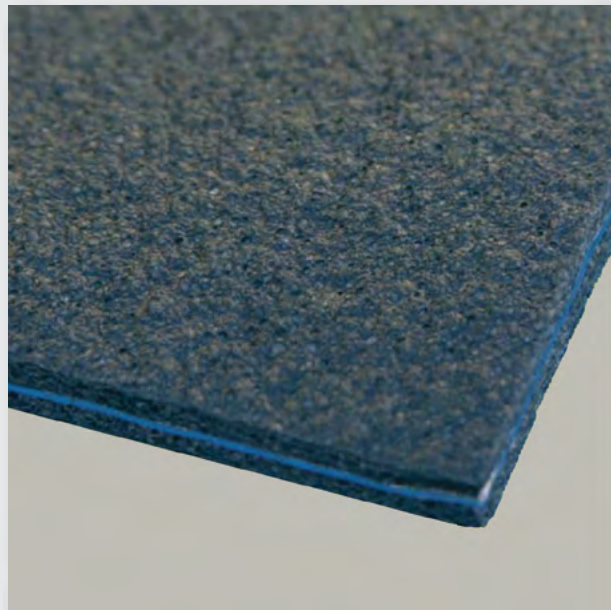
## COMPOSITION

Try-layer product composed by:

-  **A** Cross-linked polyethilene 3 mm
-  **B** Lead 0,35, 0,50 mm
-  **C** Flat polyurethane 10, 20 mm



# AKUSTIK® - METAL SLIK ART. 6



CROSS-LINKED POLYETHYLENE  
FOAM SOUND-INSULATING PANEL  
WITH INTERMEDIATE LEAD SHEET  
LAYER

## MATERIAL

Combination of two layers of impermeable cross-linked polyethylene foam separated by a 0.35 - 0.50 mm thick lead sheet to absorb low and high frequencies.

## FIELDS OF APPLICATION

Insulation of rooms, engine compartments, piping, floors, partition walls, machinery, conduits in general. Recommended in particular when water or oil particles, etc are present in the vicinity of the panel. Suitable for use as under flooring in civil constructions when it is desired to prevent sound entering or leaving a given environment. Whenever the technical specification calls for greater protection from external agents such as oil and grease etc., the product can be supplied with a protective film applied to the surface. The anti-vibration layers consist of highly flexible foam with high resistance to compression.

## INSTALLATION

Use NDA KOLL glue on flat and curved surfaces of any kind (free of dust, oil and grease). The product can also be supplied with self-adhesive surface to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue. For ceiling installation we recommend the use of mechanical fixing.

WIDTH	1000 mm
LENGTH	3000 mm
THICKNESS	6 mm Other on request
DIMENSIONS TOLERANCE	to M4 DIN 7715 Part 2
CROSS-LINKED POLYETHYLENE DENSITY	33 Kg/m <sup>3</sup>
LEAD THICKNESS	0,35 / 0,50 mm
SOUND INSULATION VALUES	Certified $R_w = 27,5$ dB (th. 6 mm, Pb 0,50 mm)
REACTION TO FIRE	cross-linked polyethylene Euroclass F (upon request B-s1, d0)

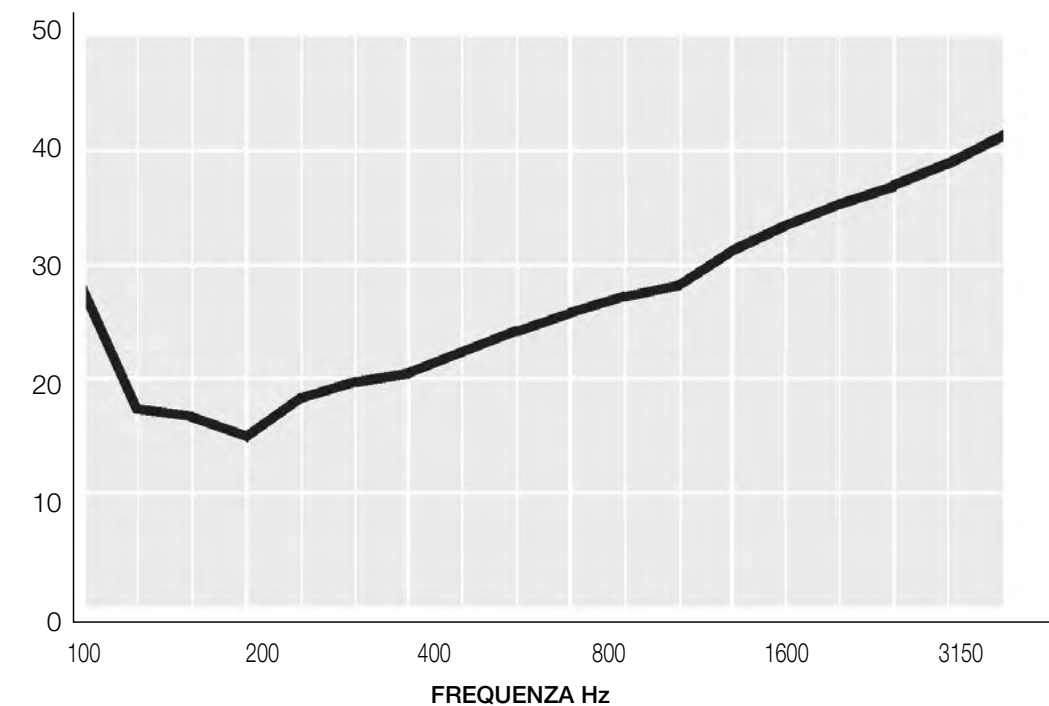
## APPLICATIONS

## SOUND INSULATION

ACOUSTIC INSULATION OF AERIAL AND STRUCTURAL NOISES WITH VERY LOW THICKNESS

## SOUND INSULATION VALUES

$R_w = 27,5$  dB

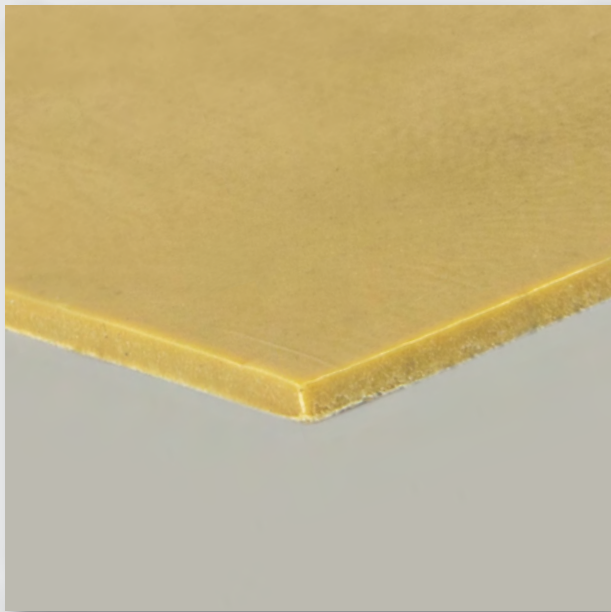


## COMPOSITION

Try-layer product composed by:

- A** Cross-linked polyethylene 3 mm
- B** Lead 0,35, 0,50 mm
- C** Cross-linked polyethylene 3 mm

# TECSOUND



ROLLS	TECSOUND 35	1000 x 10000 mm
	TECSOUND 50	1220 x 6000 mm
	TECSOUND 70	1220 x 5000 mm
	TECSOUND 100	1220 x 4000 mm

THICKNESS	TECSOUND 35	2,0 mm
	TECSOUND 50	2,5 mm
	TECSOUND 70	3,5 mm
	TECSOUND 100	5,0 mm

WEIGHT	TECSOUND 35	4 Kg/m <sup>2</sup> approx.
	TECSOUND 50	5 Kg/m <sup>2</sup> approx.
	TECSOUND 70	7 Kg/m <sup>2</sup> approx.
	TECSOUND 100	10 Kg/m <sup>2</sup> approx.

SOUND INSULATION VALUES	TECSOUND 35	Certified Rw = 23 dB
	TECSOUND 50	Certified Rw = 26 dB
	TECSOUND 70	Certified Rw = 28 dB
	TECSOUND 100	Certified Rw = 32 dB

REACTION TO FIRE	B-s1,d0 (TECSOUND 35)
	B-s2, d0

TECSOUND IS THE HIGH-DENSITY VISCOELASTIC SYNTHETIC SOUNDPROOFING MEMBRANE FOR ACOUSTIC INSULATION

## MATERIAL

TECSOUND is an high-density viscoelastic synthetic soundproofing membrane that offers excellent levels of acoustic insulation in different construction systems. Thank to its flexibility it is easy to install and it can be adapted to any shape and surface.

Available in different weights depending on the specific application TECSOUND also has a high degree of flexibility, is rot-proof, has a high resistance to aging and an excellent reaction to fire.

## FIELDS OF APPLICATION

TECSOUND is widely used for acoustic insulation in the construction and industrial sectors. Thanks to its high density and low modulus of elasticity it is an excellent sound barrier, and reduce considerably the transmitted level of noise. It offers excellent damping for the vibration of metal panels and lightweight materials, reduces the noise produced by atmospheric agents on metal and wooden roofs. Finds wide application in plasterboard walls and ceilings, in wooden and floating floors, reducing footfall noises and vibrations. It is a specific product for the acoustic insulation of doors, bins, gutters, motors, compressors, industrial casings, etc

## INSTALLATION

TECSOUND is quick and easy to apply. Available with an adhesive side.

## APPLICATIONS

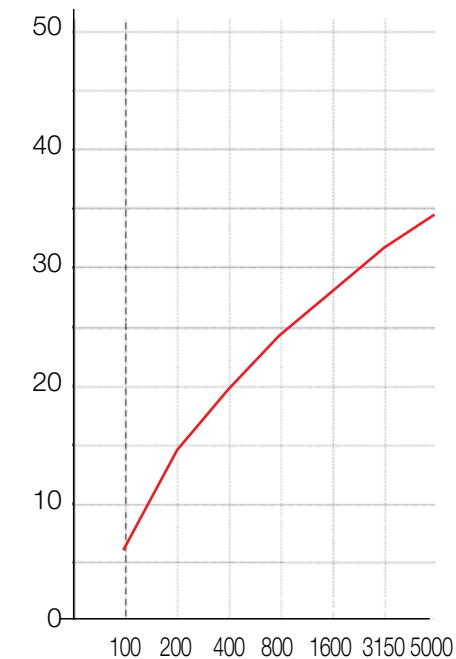
## SOUND INSULATION

VLSCOELASTIC MEMBRANE FOR AERIAL AND STRUCTURAL ACOUSTIC INSULATION OF HORIZONTAL AND VERTICAL PARTITIONS AND SYSTEMS IN GENERAL

## SOUND INSULATION VALUES

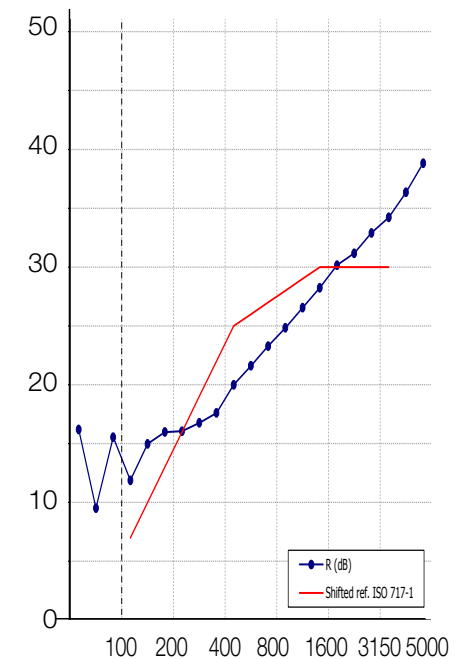
### TECSOUND 35

Rw = 23 dB



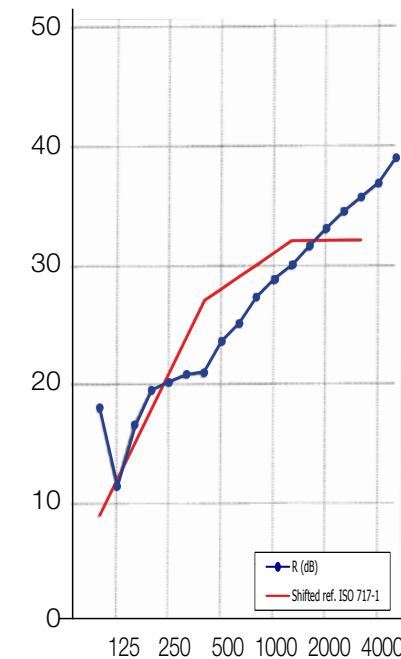
### TECSOUND 50

Rw = 26 dB



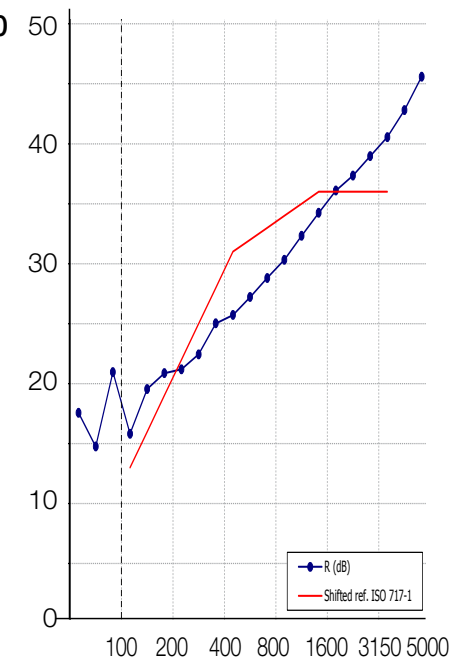
### TECSOUND 70

Rw = 28 dB



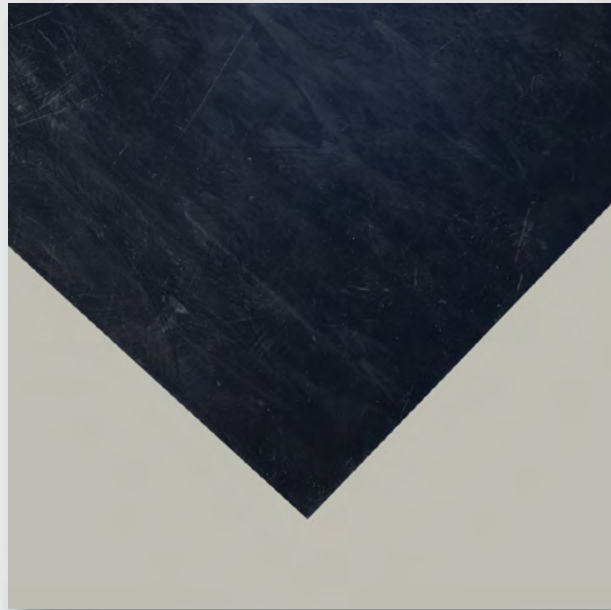
### TECSOUND 100

Rw = 32 dB





# AKUSTIK® - GPB



ROLLS	1000, 1200 mm
LENGTH	MT 30, H 1000 mm; MT 25, H 1200 mm
THICKNESS	2 mm; 2,5 mm
MATERIAL	Inert plasticizer elastomeric-based mix EPDM
WEIGHT	4 - 5,5 Kg/m <sup>2</sup>
RESISTANCE TO TEMPERATURE	- 20 + 120° C
SURFACE APPEARANCE	smooth
SOUND INSULATION VALUES	Rw = 26 dB
BASIC COLOR	black
HARDNESS	78 ± 5 Shore
RESISTANCE TO TRACTION	> 75 N/cm <sup>2</sup>
THICKNESS ALLOWANCE	± 10%
REACTION TO FIRE	B-s3, d0

SOUND-INSULATING AND NOISE-ABATING PRODUCT MADE OF HIGH DENSITY EPDM

## MATERIAL

Akustik®-GPB is an high density mass, the result of a mix of inert plasticizer elastomerics (EPDM) whose granules are of variable dimensions; it doesn't contain either lead or bitumen, it is an non-toxic and odourless material. Resistant to high and low temperatures -30°C + 120°C.

## FIELDS OF APPLICATION

Akustik®-GPB, thanks to his high density and his elasticity, is an excellent sound-insulating and antivibration material. It is largely used to build up barriers with a high sound insulation power and therefore, it is installed where screening or noise-abating systems are required: communicating rooms, flooring, ceilings, walls and industrial encapsulations. This product can be easily applied between two plasterboards to avoid vibrations and increase insulation.

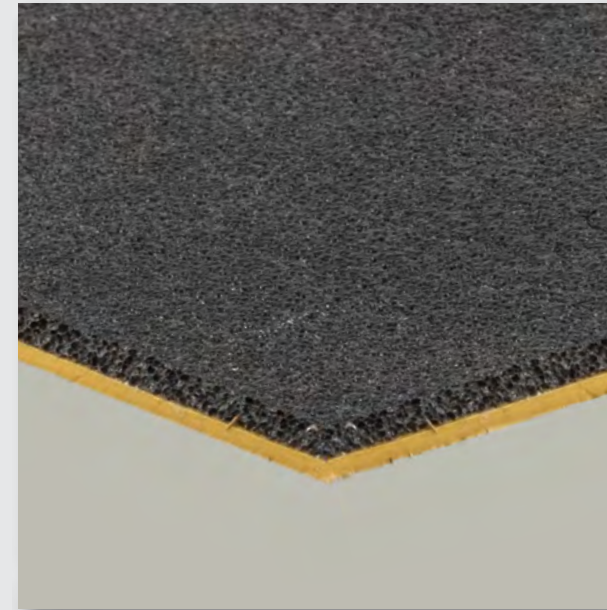
## INSTALLATION

Akustik®-GPB is supplied in rolls, its elasticity allows it to be cut and shaped very easily. It can be applied to any surface, provided that it is smooth and free of grease, oil or dust, using NDA KOLL glue. For ceiling installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

# AKUSTIK® - PLUS



SOUND-INSULATING AND NOISE-ABATING (RUMBLE, FOOTFALLS, ETC.) PRODUCT IN EXPANDED CROSS-LINKED POLYETHYLENE WITH CLOSED CELL STRUCTURE, COMBINED WITH A HIGH-DENSITY GUM MASS

## MATERIAL

Akustik®-Plus is the expanded cross-linked polyethylene with closed cell structure, combined with a soundinsulating and vibration-abating gum mass. Thanks to this stratification we obtained a flexible material with a reduced thickness, a very big mass and an excellent acoustical insulation.Product completely bitumen free.

## FIELDS OF APPLICATION

Akustik®-Plus is widely used in housing and commercial construction, for sound insulation treatment of walls, ceilings, piping systems and flooring; in the industrial sector for engine compartment linings and boxes. It is also used as noiseabating material for floating floors (footfalls and transmission of noises from impact); furthermore, it increases the heat-insulating.

## INSTALLATION

For flooring it can be simply laid down, while for walls and ceilings NDA KOLL glue is required. To fix it permanently the use of specific fixings is recommended. Akustik® Plus can be supplied with one self-adhesive side to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

WIDTH	1000 mm
LENGTH	5000 mm
POLYETHYLENE DENSITY	33 Kg/m <sup>3</sup>
EPDM MASS	4 o 5,5 Kg/m <sup>2</sup>
THEORETICAL SOUND INSULATION VALUE	Rw = 26 dB
REACTION TO FIRE	EPDM B-s1, d0; polyethylene F (upon request B-s1, d0)
COMPOSITION	Bilayer product composed by:
	<b>A</b> EPDM 2 mm, 4 or 5,5 Kg/m <sup>2</sup>
	<b>B</b> Cross-linked polyethilene 3mm

# AKUSTIK® - GUM SLIK ART. 1



WIDTH	1000 mm
LENGTH	1000, 3000 mm
THICKNESS	20 - 30 - 40 mm Other on request
MATERIAL	open cell polyester-based polyurethane foam
DENSITY	35 Kg/m <sup>3</sup>
SOUND INSULATION VALUES	Rw = 30 dB certificate
THERMAL CONDUCTIVITY COEFFICIENT	$\lambda = 0,029 \text{ W/mK}$
RESISTANCE TO TEMPERATURE	-10 +90°C
SURFACE APPEARANCE	flat
BASIC COLOR	dark grey
REACTION TO FIRE	polyurethane HF1 (tp UL94) EPDM B-s1, d0

POLYURETHANE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE EPDM LAYER

## MATERIAL

Akustik®-Gum Slik consists of a combination of two layers of polyester-based open-cell polyurethane foam, density 35 Kg/m<sup>3</sup>, separated by special charged thermoplastic polymers (EPDM) from 4 to 5,5 Kg/ m<sup>2</sup>. Resistant to temperatures from -10°C to +90°C.Product completely bitumen free.

## FIELDS OF APPLICATION

Akustik®-Gum Slik is widely used for the sound insulation of fixed or moveable walls, ceilings, the walls of soundproofed machinery cabins, and in all other cases of noise shielding and reduction of noise between communicating environments. Whenever special protection from external agents is required the product can be supplied with a protective film applied to the surface.

## INSTALLATION

The material is in sheets or rolls and can be cut and shaped very easily. It can be applied to any surface, even curved provided that it is smooth and free of dust, oil or grease using NDA KOLL glue. For ceiling installation, we recommend the use of mechanical fixing.

The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

## APPLICATIONS

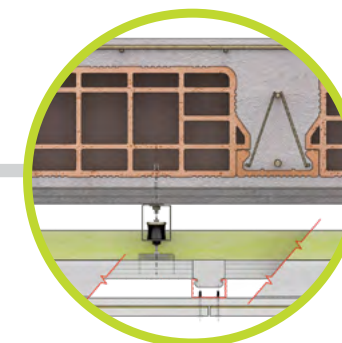
## SOUND INSULATION

ACOUSTIC INSULATION OF AERIAL AND STRUCTURAL NOISE OF HORIZONTAL AND VERTICAL PARTITIONS

Rw = 62 dB

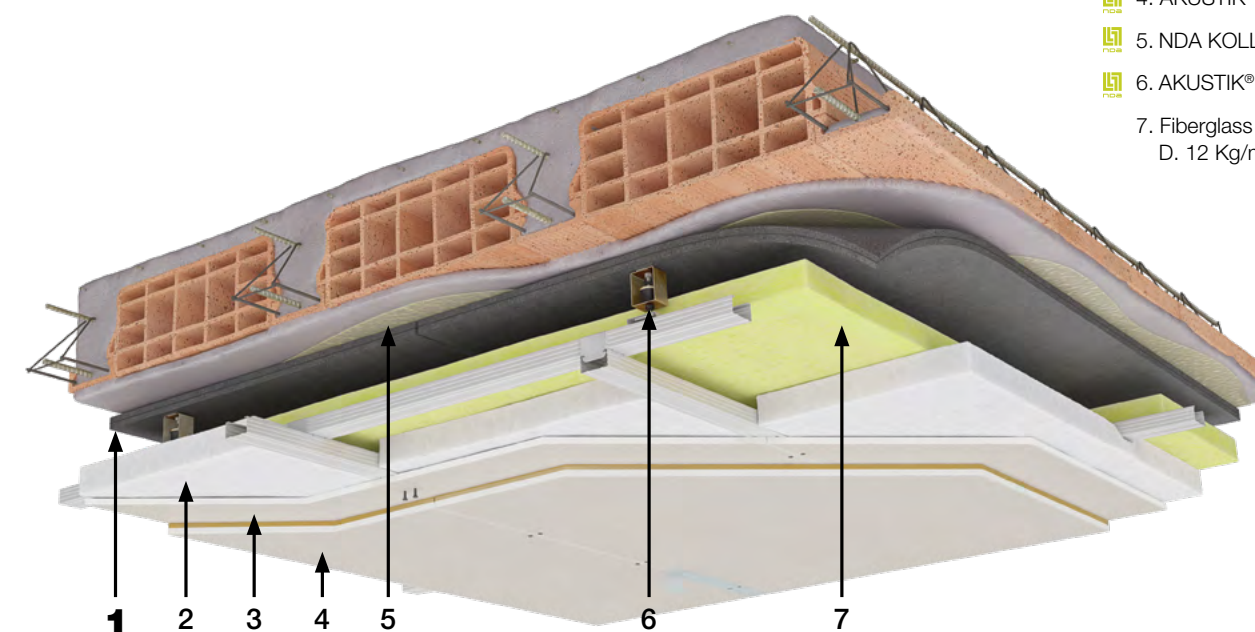
Rw = 62 dB certificate 332009 I.G.

L<sub>n,w</sub> =43 dB certificate 332006 I.G.



### LEGEND

1. AKUSTIK® GUM SLIK Th 20 mm
2. AKUSTIK® SOFT Th 20mm D. 30 Kg/m<sup>3</sup>
3. Plasterboard BA 12,5 mm
4. AKUSTIK® GIPS ART. 2
5. NDA KOLL
6. AKUSTIK® 1
7. Fiberglass sp. 45 mm, D. 12 Kg/m<sup>3</sup>



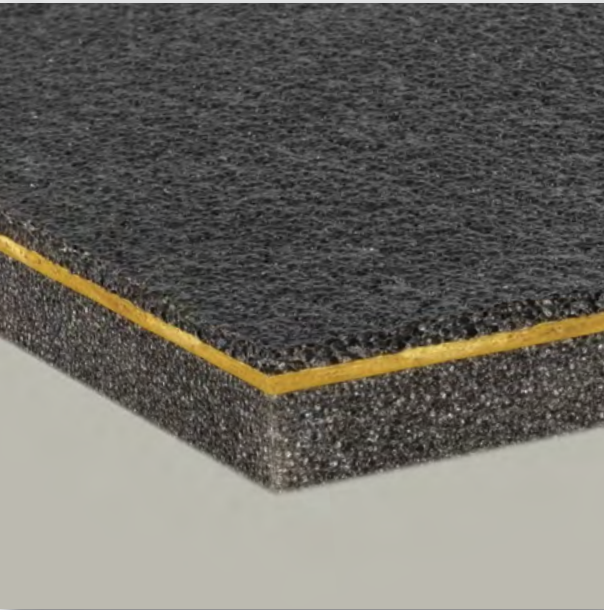
## COMPOSITION

Try-layer product composed by:

- A 10 mm th.polyurethane
- B EPDM 4 or 5,5 Kg/m<sup>2</sup>
- C 10 mm th. polyurethane



# AKUSTIK® - GUM SLIK ART. 5



CROSS-LINKED POLYETHYLENE  
FOAM AND EXPANDED  
POLYURETHANE FOAM WITH  
INTERMEDIATE EPDM LAYER

## MATERIAL

Akustik® Gum Slik Art. 5 is a three-layer product realized with an expanded reticulated polyethylene with closed cell structure, thickness mm 3 (density 33 Kg/m³) and with a layer of polyester-based open cell polyurethane foam, thickness 10 mm (density 35 Kg/m³), separated by a layer of EPDM, thickness 2 mm and mass 4 Kg/m², for the isolation of low and medium frequencies. Product completely bitumen free.

WIDTH	1000 mm
LENGTH	2000 mm
THICKNESS	15 (10+2+3) mm Other on request
DIMENSIONS TOLERANCE	to M4 DIN 7715 Part 2
RESISTANCE TO TEMPERATURA	from - 50 °C to + 110 °C
COLOR	dark grey, availbale upon request with a protective black film
THEORETICAL SOUND INSULATION VALUES	Rw = 26,0 dB
REACTION TO FIRE	polyurethane HF1 (to UL94) EPDM B-s1, d0  polyethylene F (upon request B-s1, d0)

## FIELDS OF APPLICATION

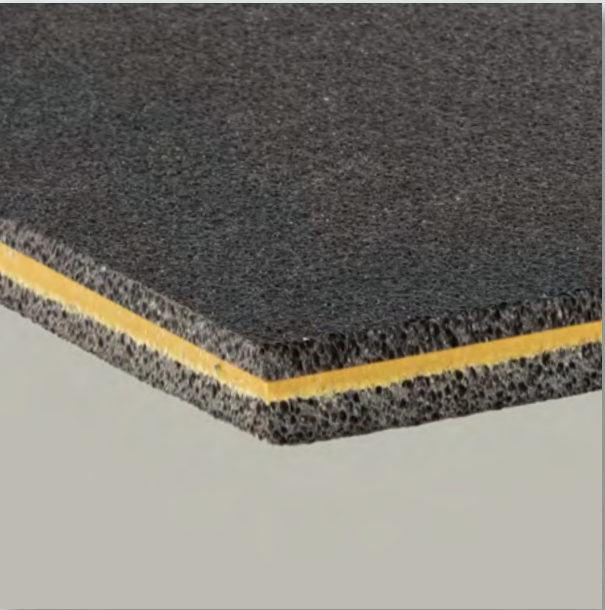
Insulation of pipes, engine compartments, partitions, machinery, pipes in general. Where specific techniques require more protection from oil, grease, etc. the product can be supplied with a protective film.

## INSTALLATION

The material can be cut and shaped very easily. In the isolation of the piping the polyurethane side (the thicker one) must be placed in contact with the tube, and then clamped. It can be applied with adhesive NDA KOLL on any kind of flat or curved surfaces, if they are free from dust, oils and fats. In case of application on ceiling and wall, we recommend the use of special fixing devices. The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

# AKUSTIK® - GUM SLIK ART. 6



CROSS-LINKED POLYETHYLENE  
FOAM SOUND INSULATING PANEL  
WITH INTERMEDIATE MASS IN EPDM

## MATERIAL

Akustik® Gum Slik Art. 6 is a three-layer product made with two layers of expanded reticulated polyethylene with closed cell structure, thickness mm 3 (density 33 Kg/m³) separated by a layer of EPDM mass of 2 mm thickness and 4 Kg/m², for the isolation of the low and high frequencies. Product completely bitumen free.

WIDTH	1000 mm
LENGTH	3000 mm
THICKNESS	8 mm Other on request
DIMENSIONS TOLERANCE	to M4 DIN 7715 Part 2
COLOR	available with a protective black film
THEORETICAL SOUND REDUCTION INDEX	Rw = 26,0 dB
REACTION TO FIRE	polyethylene F (upon request B-s1, d0) EPDM B-s1, d0

## FIELDS OF APPLICATION

Insulation of rooms, engines, pipes, floors, partitions, equipment, ducts in general. Particularly indicated in case of presence of particles of water, oil or grease in the vicinity of the panel itself. Suitable as material for civil subfloor, where it must prevent sound exiting or entering in a specific situation. Where it is required more protection from oils or fats, the product can be supplied with a protective film. The layers are made of an anti-vibration foam material with high flexibility and high resistance to compression.

## INSTALLATION

It can be applied with adhesive NDA KOLL on any kind of flat or curved surfaces, if they are free from dust, oils and fats. In case of application on ceiling and wall, we recommend the use of special fixing devices. The product can also be supplied with self-adhesive surface to facilitate application.

The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

# AKUSTIK® - GUM SOFT



WIDTH	600 mm
LENGTH	1200 mm
THICKNESS	40 mm Other on request
POLYESTER FIBER DENSITY:	30 Kg/m³
EPDM INSULATION MASSA	4 o 5,5 Kg/m²
RESISTANCE TO TEMPERATURA	- 50 °C to + 120 °C
SOUNDPROOF INSULATION POWER (EPDM MASS)	Rw = 26,0 dB
REACTION TO FIRE	polyester fiber B-s2, d0 EPDM B-s1, d0

SOUNDPROOF POLYESTER FIBER  
PANEL WITH AN EPDM MASS

## MATERIAL

Akustik® Gum Soft is the soundproof polyester panel combined with an EPDM mass of 4 or 5.5 kg/m². Product completely bitumen free.

## FIELDS OF APPLICATION

Akustik® Gum Soft is widely used for industrial soundproofing, sound booths, false ceilings, in the ventilation sector, air conditioning, engine compartments, in the automotive industry, and in general in the building sector.

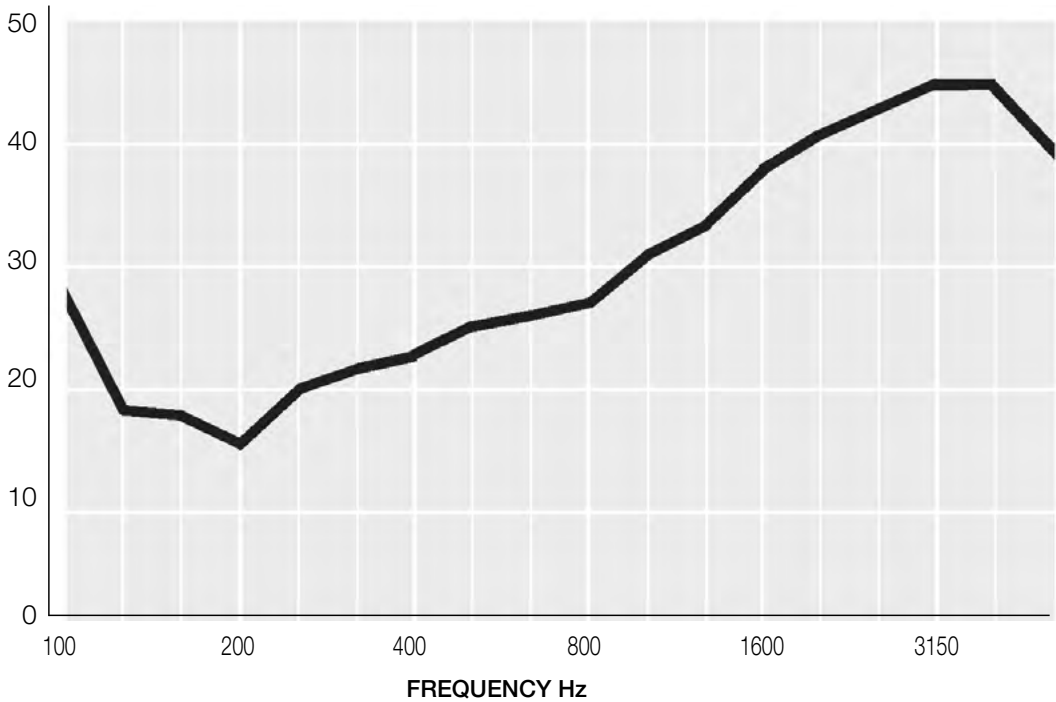
## INSTALLATION

The material presents itself in panels and can be installed using NDA KOLL adhesive on any type of surface providing the same is without dust, oil or grease. In the case of application to a ceiling or wall it is recommended to use special fixing devices. Akustik® Gum Soft can be supplied upon request with an adhesive side to facilitate installation. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

## APPLICATIONS

## SOUND INSULATION VALUES

Rw = 30 dB



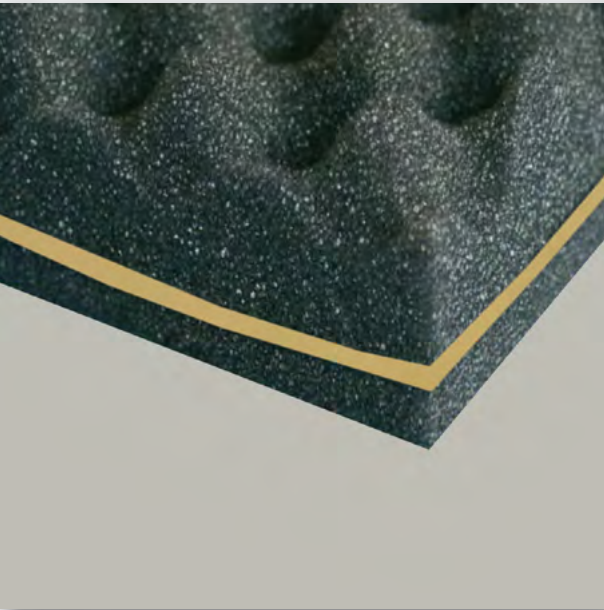
## COMPOSITION

Try-layer product composed by:

- A Polyester fiber 20 mm
- B EPDM mass 4 or 5,5 Kg/m²
- C Polyester fiber 20 mm



# AKUSTIK® - GUM FOAM



THE SOUND-ABSORBING  
PROFILED PRODUCT IN EXPANDED  
POLYURETHANE WITH INTERMEDIATE  
EPDM LAYER

### MATERIAL

Akustik®-Gum Foam is the combination of two open cell polyurethane polyester-based layers with a density of 35 Kg/m³, with an EPDM layer variable mass of 4 or 5,5 Kg/m²; resistant to temperatures from - 10°C to +90°C. Product completely bitumen free.

### FIELDS OF APPLICATION

Akustik®-Gum Foam is largely used for the sound insulation of fixed or moveable walls, ceilings, soundproofed machinery cabins, boxes and in general wherever an excellent acoustic absorption is required.

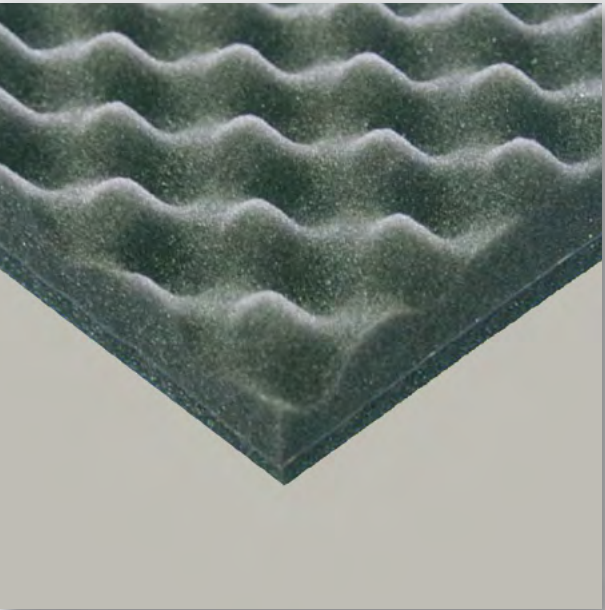
### INSTALLATION

The product presents itself in rolls or panels and it can be easily cut and shaped. It can be installed with NDA KOLL glue, on flat and curved surfaces, provided they are free of dust, oil and grease. For the application to ceilings we recommend the use of specific fixings. Akustik®-Gum Foam can be supplied with one self-adhesive side to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

For ceiling installation we recommend the use of mechanical fixing.

WIDTH	1000 mm
LENGTH	1000 - 2000 mm
THICKNESS	30 - 40 - 60 mm Other on request
DIMENSIONS TOLERANCE	to DIN 7715 Part 2
DENSITY	35 Kg/m³
SURFACE APPEARANCE	profiled
BASIC COLOR	dark grey
THEORETICAL SOUND REDUCTION INDEX	Rw = 30,0 dB
THERMAL RESISTANCE	from - 10 °C to + 90 °C
REACTION TO FIRE	polyurethane HF1 (to UL94) EPDM B-s1, d0

# AKUSTIK® - METAL FOAM



ACOUSTICAL SPECIALLY PROFILED  
PRODUCT FOR SOUND INSULATION  
AND ACOUSTIC ABSORPTION MADE  
OF EXPANDED POLYURETHANE WITH  
INTERMEDIATE LEAD SHEET LAYER

### MATERIAL

Akustik®-Metal Foam is the result of the combination of two polyester-based open cell polyurethane layers, density 35 Kg/m³, with intermediate lead sheet layer (from 0,35 mm to 0,5 mm thick). Resistant to temperatures from -10°C to + 90°C.

### FIELDS OF APPLICATION

Akustik®-Metal Foam, thanks to its lead sheet layer, is a very good sound-insulating material and an excellent soundabsorbing product as its special profile increases the acoustical absorption. It is widely used for the sound insulation of engine compartment linings, generator boxes, and compressors, etc.

### INSTALLATION

It can be applied to any surface, provided that it is smooth, free of grease, oil or dust using NDA KOLL glue. For the application to ceilings we recommend the use of specific fixings. Akustik® -Metal Foam can be supplied with one self-adhesive side to facilitate application. The adhesivation of the product is not a definitive bonding and does not guarantee the seal, it simply facilitates the installation if supported by glue.

WIDTH	1000 mm
LENGTH	1000 o 3000 mm
THICKNESS	30 - 40 - 50 - 60 mm
DIMENSIONS TOLERANCE	to M4 DIN 7715 Part 2
DENSITY	35 Kg/m³
SURFACE APPEARANCE	specially profiled
BASIC COLOR	dark grey
SOUNDPROOF INSULATION POWER	Rw = 27,5 dB
THERMAL RESISTANCE	from -10 to + 90°C
REACTION TO FIRE	polyurethane HF1 (to UL94)





# SOUNDABSORBERS

Pyramid-Shaped

Profiled

Flat

Baffles

False Ceiling



AKUSTIK® - STOP



WIDTH	1000 mm
LENGTH	1000 mm
THICKNESS	35 - 50 - 70 - 100 mm
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
MATERIAL	open cell flexible polyester-based polyurethane foam
DENSITY	35 Kg/m³
THERMAL CONDUCTIVITY COEFFICIENT	$\lambda = 0,029 \text{ W/mK}$
RESISTANCE THERMAL	-10 +90 °C
REACTION TO FIRE	poliuretano classe HF1 (according to UL94)

PYRAMID POLYURETHANE ACOUSTICAL FOAM PANEL

MATERIAL

Open cell flexible polyester- based polyurethane foam, density 35 kg/m³, color dark grey. Ideal for acoustic absorption, as well as guaranteeing excellent thermal insulation and consequent energy saving. Upon request, it can be painted in all the RAL range colors.

FIELDS OF APPLICATION

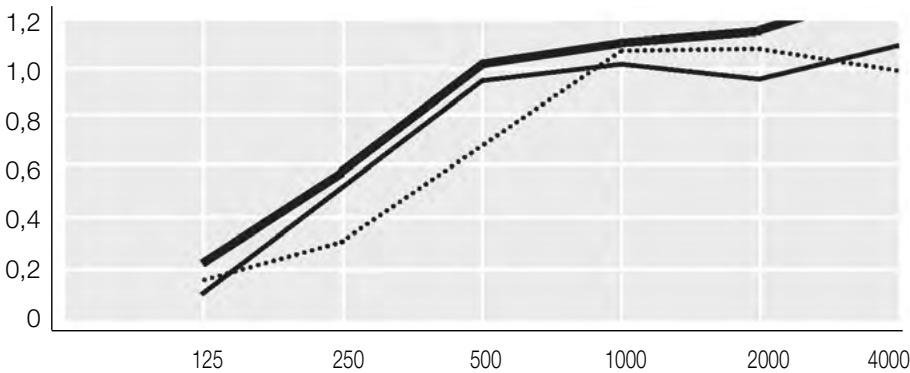
Akustik®-Stop is widely used in gymnasiums, lecture rooms, auditoriums, musical recording studios, radio and TV studios, for mobile acoustic paneling, compressor engine rooms, etc.

INSTALLATION

Akustik®-Stop flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application.

APPLICATIONS

SOUND ABSORPTION COEFFICIENT ( $\alpha_S$ )

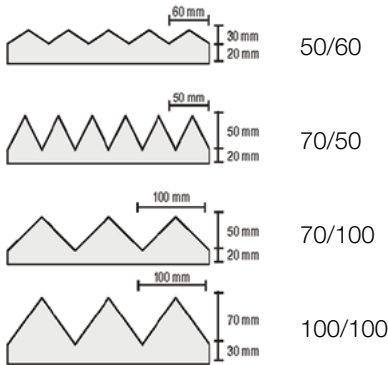


FREQUENCY Hz		125	250	500	1000	2000	4000
$\alpha_S$	.....	0,22	0,55	0,96	1.13	1,15	1,43
Sound absorption coefficient	————	0,08	0,53	0,90	1,03	0,97	1,03
	————	0,11	0,27	0,59	1,08	1,07	1,01
	————	100 mm pyramid plate, excited by gunshot					
	————	100 mm pyramid plate, excited by speaker					
	.....	70 mm pyramid plate, excited by speaker					

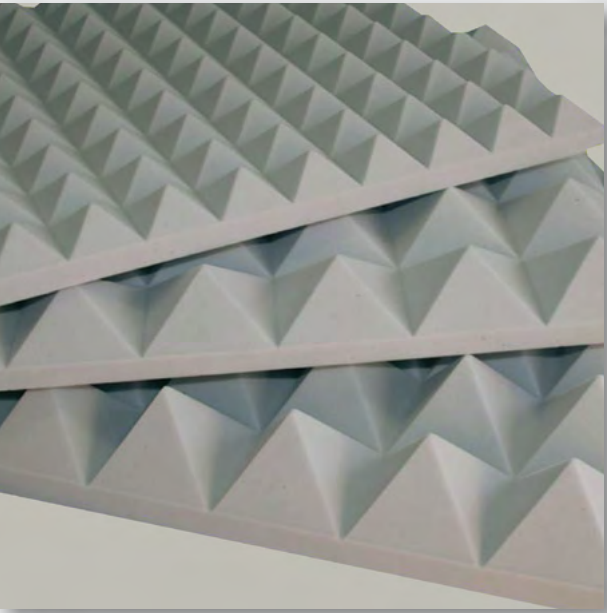
Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

Thanks to their angular structure which triples the absorbing surface, Akustik®-Stop panels afford an excellent degree of acoustic absorption, with excellent results at medium and high frequencies (500÷2000 Hz). Whenever a high acoustic absorption coefficient is required, Akustik®- Stop can be assembled together with barriers with a high acoustic insulation coefficient such as lead, lead rubber etc. The profile of this product, and the possibility of coloring it, allow its functionality to be optimised in interior architecture.

STANDARD FORMATS



ISOTEK - STOP



WIDTH	600, 1200 mm
LENGTH	1200 mm
THICKNESS	35 - 50 - 70 - 100 mm
THERMAL CONDUCTIVITY AT 10°C	W/mK DIN 52612 < 0,035
ACOUSTIC ABSORPTION	S = 50 mm/2000 Hz % DIN 52215 > 90

REACTION TO FIRE	c-s2, d0
Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire: B-s1,d0 (th. 5-20 mm); B-s2,d0 (th. 30-40 mm); C-s2,d0 (th. 50 mm)	

BASOTECT® G+ (BASF) PYRAMID MELAMINE RESIN FOAM ACOUSTICAL PANEL

MATERIAL

Light grey colored melamine resin BASF Basotect® G+ Foam. High resistance to temperatures: +150°C. Isotek-Stop has an excellent acoustic absorption, particularly at medium-high frequencies (500÷2000 Hz). Upon request, it can be painted in all the RAL range colors in order to optimize the functionality with the interior architecture.

FIELDS OF APPLICATION

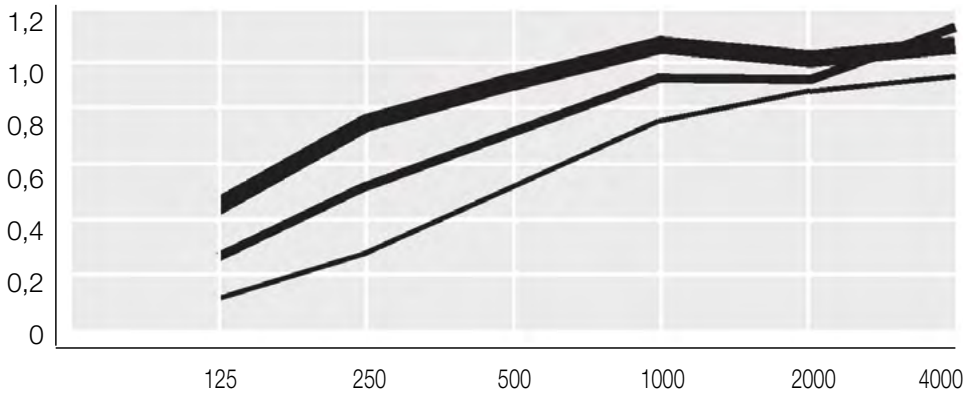
Isotek-Stop is a specifically sound-absorbing product with a special pyramidal profile which triples the absorbing surface. Its technical characteristics allow it to be used where special safety features are required, such as theatres, cinemas, auditoriums, hotels, lecture rooms, firing ranges, gymnasiums, schools, discotheques.

INSTALLATION

Isotek-Stop's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

APPLICATIONS

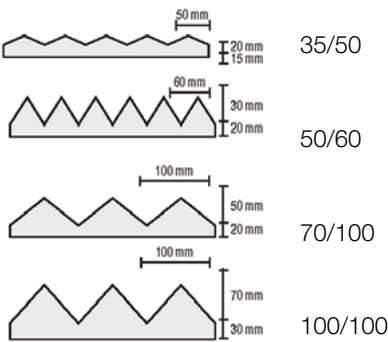
SOUND ABSORPTION COEFFICIENT (αS)



FREQUENCY Hz		125	250	500	1000	2000	4000
αS	50/60	0,13	0,25	0,50	0,75	0,88	0,94
	70/100	0,22	0,49	0,77	0,96	0,96	1,05
	100/100	0,40	0,77	0,92	1,01	1,01	1,04

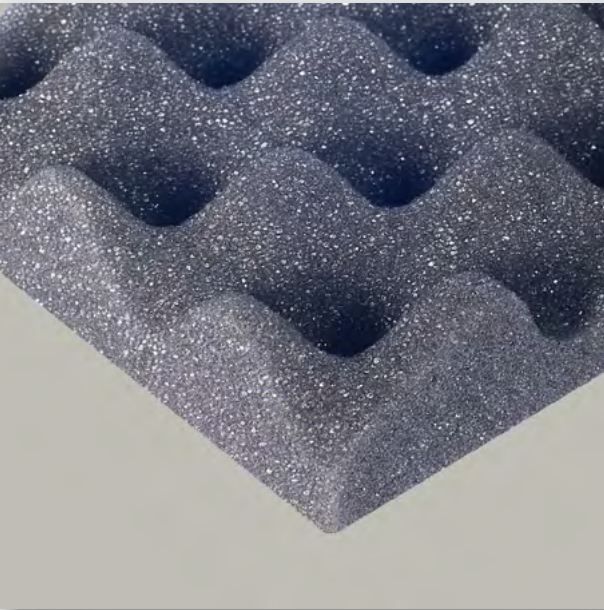
Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

STANDARD FORMATS





AKUSTIK® - FOAM



WIDTH	1000 mm
LENGTH	1000 mm Rolls available upon request
THICKNESS	20 - 30 - 40 - 50 mm Other upon request
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
DENSITY	35 Kg/m³
THERMAL CONDUCTIVITY COEFFICIENT	$\lambda = 0,029 \text{ W/mK}$
ACOUSTIC ABSORPTION	$\alpha_S = 0,92$ (50 mm/2000 Hz)
REACTION TO FIRE	polyurethane HF1 (according to UL94)

PROFILED POLYURETHANE FOAM ACOUSTICAL PANEL

MATERIAL

The profiled Akustik®-Foam panel is made of polyester-based flexible polyurethane foam, color dark grey. Allows dissipation of high levels of sound energy produced in the environment. Akustik®-Foam can be combined with barriers having a high acoustic reduction coefficient such as lead, EPDM, etc. It is possible to paint the visible surfaces in order to optimize the functionality with the interior architecture and/or to realize blunted edges of 45° on the four sides.

FIELDS OF APPLICATION

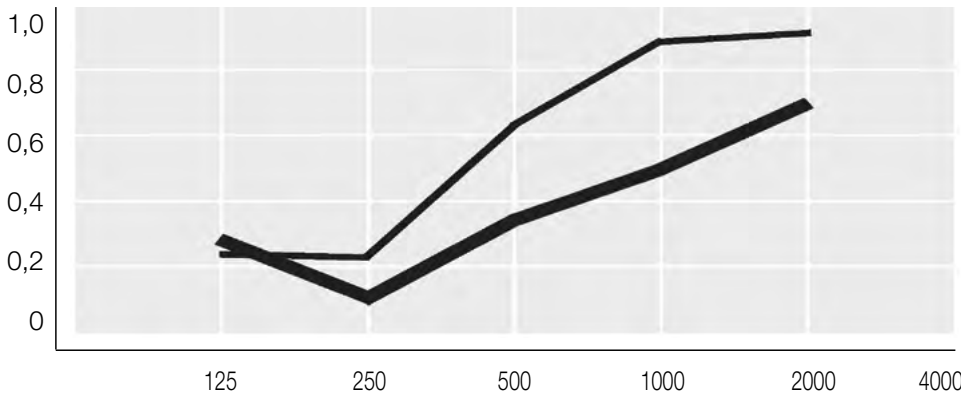
Akustik®-Foam is a soundabsorbing product with a wide range of applications in the sound treatment of industrial environments, the sound-proofing of air conduits, firing ranges, the internal lining of engine compartments, sound enclosures, silencers, soundproofed cabins, ventilation equipment, etc.

INSTALLATION

Akustik®-Foam's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application.

APPLICATIONS

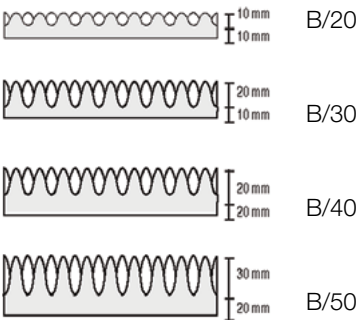
SOUND ABSORPTION COEFFICIENT ( $\alpha_S$ )



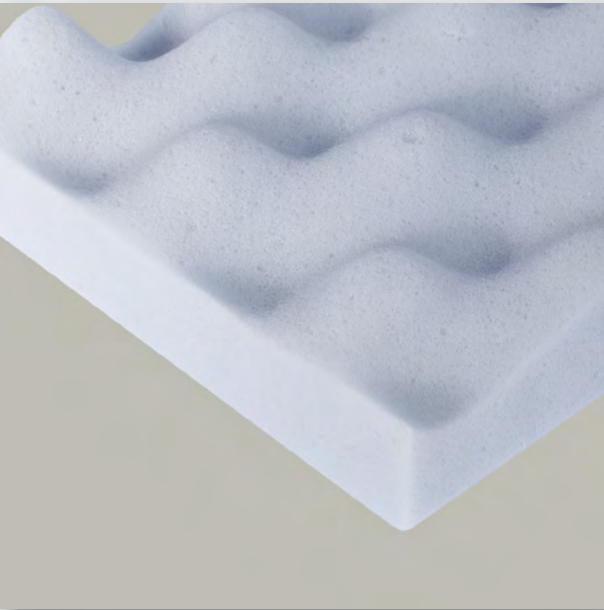
FREQUENCY Hz		125	250	500	1000	2000	4000
$\alpha_S$	30 mm	0,22	0,11	0,37	0,47	0,68	0,69
	50 mm	0,25	0,20	0,61	0,89	0,92	0,69

Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

STANDARD FORMATS



ISOTEK - FOAM



WIDTH	1200, 600 mm
LENGTH	600, 1200 mm
THICKNESS	20 - 30 - 40 - 50 mm Other upon request
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
THERMAL CONDUCTIVITY A 10°C	W/mK DIN 52612 < 0,035
ACOUSTIC ABSORPTION	S = 50 mm/2000 Hz: % DIN 52215 > 90
UTILISATION TEMPERATURE	max + 150° C
REACTION TO FIRE	from 5 to 15 mm B-s1, d0, from 15 to 20 mm B-s2, d0 from 21 to 80 mm C-s2, d0

Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire: B-s1,d0 (sp. 5-20 mm); B-s2,d0 (sp. 30-40 mm); C-s2,d0 (sp. 50 mm)

BASOTECT® BASF PROFILED  
MELAMINE RESIN FOAM ACOUSTICAL  
PANEL

MATERIAL

Light grey BASF Basotect® melamine foam resin. High thermal resistance +150°C. Isotek-Foam has an excellent acoustic absorption, particularly at medium-high frequencies (500 ÷ 1000 Hz). Isotek- Foam may be assembled together with sound-insulation barriers such as lead, EPDM, etc. Upon request it can be painted in all RAL range colors to optimize the functionality with the interior architecture and/or to realize blunted edges of 45° on the four sides.

FIELDS OF APPLICATION

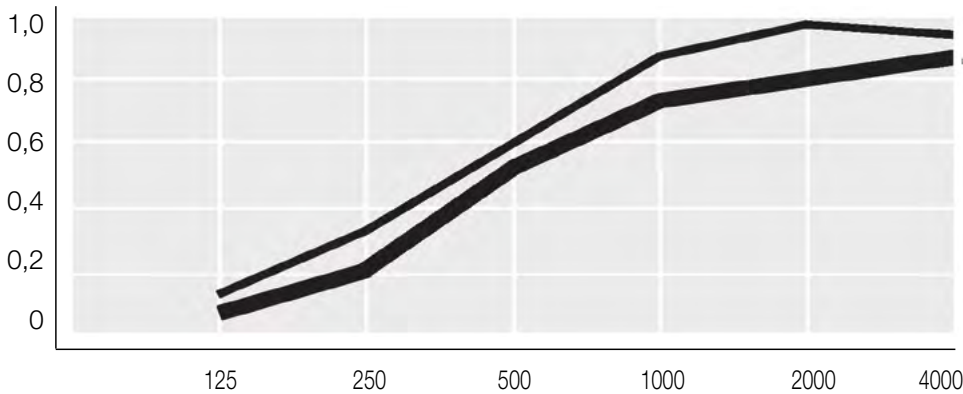
Isotek-Foam is a specific specially profiled soundabsorbing product that, thanks to its technical characteristics can be used where special safety features are required, such as factories, theatres, schools, cafeterias, cinemas, discotheques, firing ranges, hotels, auditoriums, multipurpose halls.

INSTALLATION

Isotek-Foam's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

APPLICATIONS

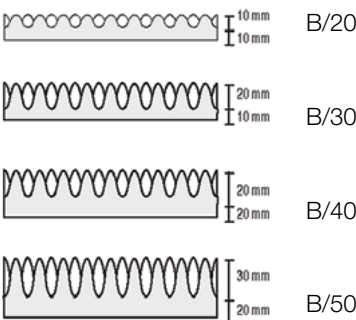
SOUND ABSORPTION COEFFICIENT (αS)



FREQUENCY Hz		125	250	500	1000	2000	4000
αS	30 mm	0,08	0,15	0,48	0,78	0,82	0,85
	50 mm	0,12	0,28	0,56	0,85	0,97	0,94

Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

STANDARD FORMATS





AKUSTIK® - SLIK



ROLLS	1000 mm varying in length according to the thickness.
SHEETS WIDTH	1000 mm
LENGTH	1000, 2000 mm
THICKNESS	10 - 20 - 30 - 40 - 50 mm Other on request
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
DENSITY	35 Kg/m³
THERMAL CONDUCTIVITY COEFFICIENT	$\lambda = 0,029 \text{ W/mK}$
ACOUSTIC ABSORPTION	$\alpha_S$ @ 2000 Hz = 0,92 (Thickness 50 mm)
REACTION TO FIRE	polyurethane HF1 (to UL94)

FLAT POLYURETHANE FOAM HEAT AND SOUND INSULATION PANEL

MATERIAL

Flexible polyester-based open cell polyurethane foam, density 35 kg/m³, color dark grey, resistant to temperatures from - 10°C to + 90°C. Excellent for sound-absorbing sound insulation, it also offers good thermal insulation, with consequent energy savings. The product can be painted in any color from the RAL range to optimize the design with the interior architecture. It can be supplied with flat or embossed aluminium film, lasts film, protective film.

FIELDS OF APPLICATION

Akustik®-Slik is widely used as thermal and acoustic insulation in air conduits, ventilation plant, engine compartment linings, silencers and as absorbent support in hollow ceilings in general.

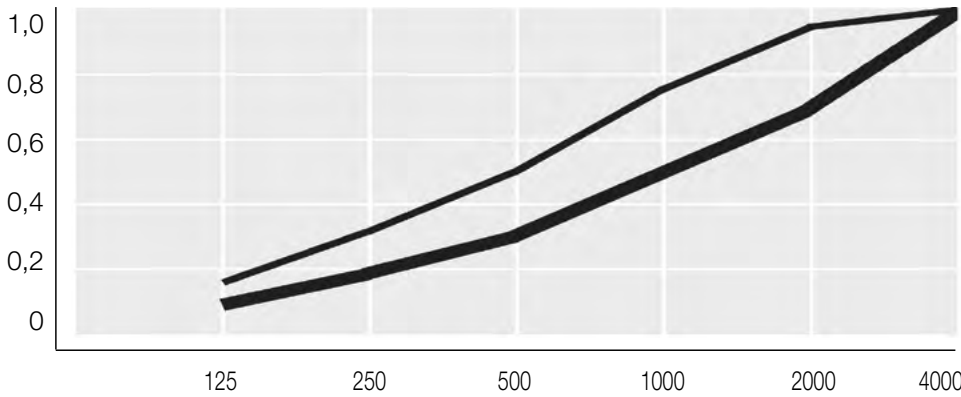
INSTALLATION

Akustik®-Slik's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VIL glue.

The product can also be supplied with self-adhesive surface to facilitate application.

APPLICATIONS

SOUND ABSORPTION COEFFICIENT ( $\alpha_S$ )

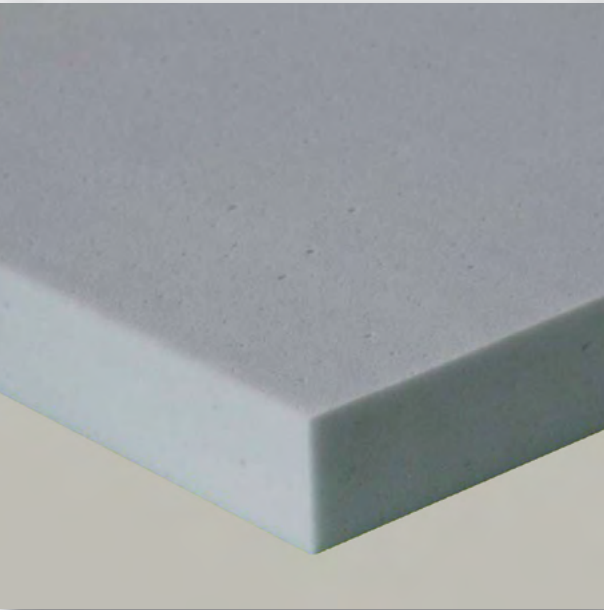


FREQUENCY Hz		125	250	500	1000	2000	4000
$\alpha_S$	20 mm	0,11	0,19	0,29	0,52	0,69	1,00
	30 mm	0,16	0,29	0,50	0,79	0,94	1,00

Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

APPLICATIONS

ISOTEK - SLIK



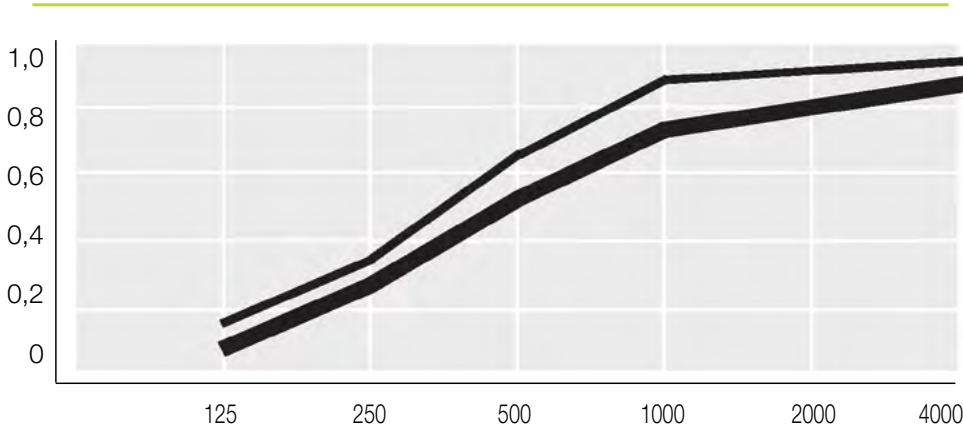
BASOTECT® (BASF) FLAT MELAMINE RESIN FOAM PANEL FOR HEAT AND SOUND INSULATION

MATERIAL

Light grey BASF Basotect® melamine resin foam. High thermal resistance: +150°C. The product has excellent absorption properties and a good thermal insulation with consequent energy saving.

If the product remains visible, it is possible to realize blended edges at 45 ° on the 4 sides and customize the coloring in order to optimize the design.

SOUND ABSORPTION COEFFICIENT (αS)



FREQUENCY Hz		125	250	500	1000	2000	4000
αS	20 mm	0,10	0,25	0,55	0,76	0,80	0,88
	30 mm	0,12	0,31	0,66	0,86	0,87	0,92

Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

WIDTH	625, 1250 mm
LENGTH	1250
THICKNESS	10 - 20 - 30 - 40 - 50 mm Other on request
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
THERMAL CONDUCTIVITY A 10°C	W/mK DIN 52612 < 0,035
ACOUSTIC ABSORPTION	S = 50 mm/2000 Hz: % DIN 52215 > 90
REACTION TO FIRE	from 5 to 15 mm B-s1, d0, from 15 to 20 mm B-s2, d0 from 21 to 80 mm C-s2, d0

Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire:  
B-s1,d0 (sp. 5-20 mm); B-s2,d0 (sp. 30-40 mm);  
C-s2,d0 (sp. 50 mm)

FIELDS OF APPLICATION

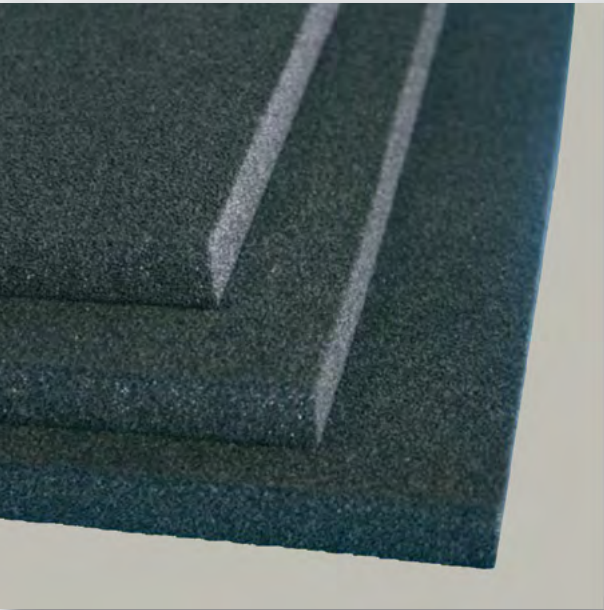
ISOTEK SLIK is widely used as sound absorbing material in restaurants, classrooms, call center, open-spaces offices. It is also applied in conduits, ventilation plant, door and window frame cabinet and engine compartment linings and as absorbent support in hollow ceilings in general.

INSTALLATION

Isotek-Slik's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease oil or dust, using NDA VIL glue.



# AKUSTIK® - FIREX



ROTOLO	1000 mm
THICKNESS	10 - 20 - 30 - 40 mm (flat panel)  30 mm (profiled panel)
REACTION TO FIRE	BS 476 Part 6 Class 0, Part 7 Classe 1

FIRE-RESISTANT SOUND-ABSORBING  
AND SOUND INSULATING  
POLYURETHANE FOAM PANEL

## MATERIAL

Akustik®-Firex polyurethane foam having undergone impregnation treatment to enhance its already excellent acoustical properties and the reaction to fire. Akustik®-Firex, with a density of 90 Kg/m³, has excellent absorption capacity and, in view of its mass, is also a good sound insulator. Akustik®-Firex may be supplied flat, in sheets and rolls, or with surface on view profiled (Akustik®-Firex Foam). It may also be combined with acoustic barriers such as lead or EPDM.

## FIELDS OF APPLICATION

The physical and fire resistance properties of Akustik®-Firex are perfect for ventilation and air conditioning systems, and for engine compartment linings. It can be assembled with lead rubber or lead in the sound insulating treatment of walls and ceilings, sound-proof cabins, hollow ceilings, as absorbent panels, etc.

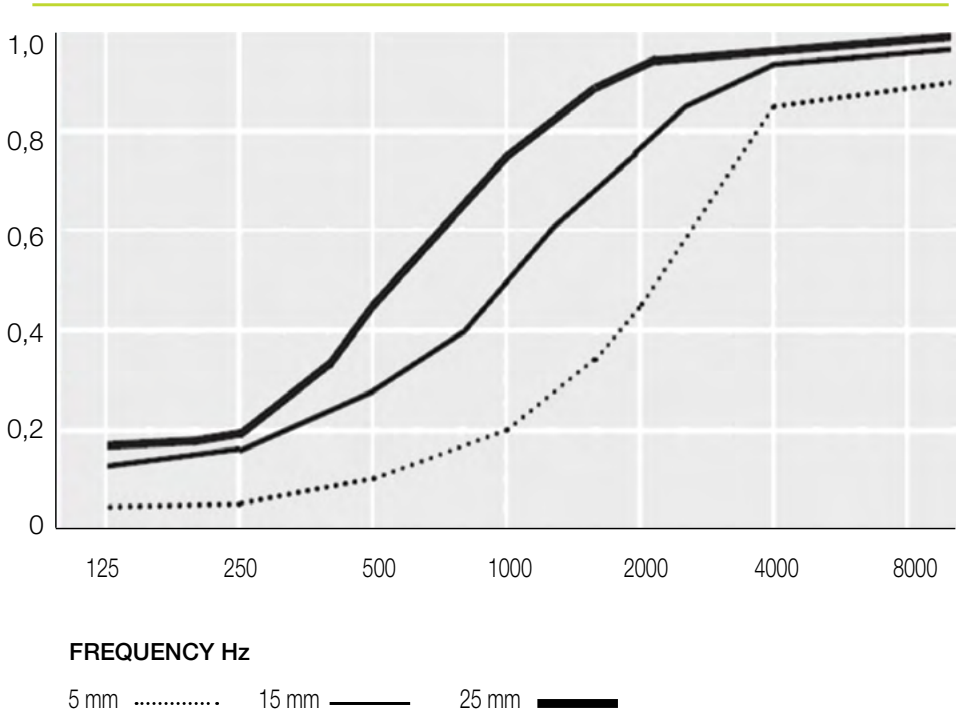
This product can be supplied with a protective aluminium film on one side.

## INSTALLATION

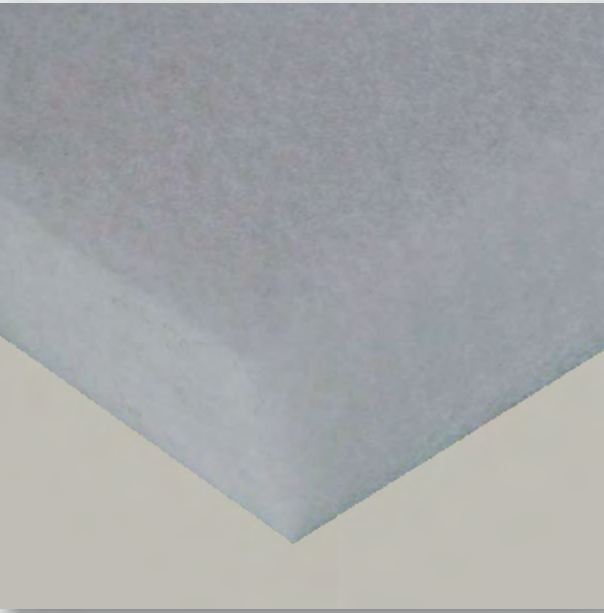
The material in the form of rolls can be shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of dust, oil or grease with NDA VIL glue. The product can also be supplied with self-adhesive surface to facilitate application.

# APPLICATIONS

## SOUND ABSORPTION COEFFICIENT (αs)



AKUSTIK® SOFT



ROLLS	h 600 mm
PANELS	595x595, 1200x600, 2000x1000 mm
THICKNESS	from 10 to 100 mm
DIMENSIONS TOLERANCE	according to DIN 7715 Part 2
DENSITY	10 - 20 - 30 Kg/m³ Other upon request
DETERMINATION OF THE OPACITY OF THE SMOKE TOXICITY OF GAS ATS 1000.001 ISSUE 4 meets the limits	
CERTIFIED ECOLOGICAL AND TOXICOLOGICAL: Product Oeko Tex Standard 100 Class I	
OPERATING TEMPERATURE	-40°C +110°C
THERMAL CONDUITTIVITÀ (to UNI EN 12667)	$\lambda = 0,034$ W/mK Density 60 Kg/m³ $\lambda = 0,036$ W/mK Density 50 Kg/m³ $\lambda = 0,037$ W/mK Density 40 Kg/m³ $\lambda = 0,038$ W/mK Density 30 Kg/m³ $\lambda = 0,039$ W/mK Density 20 Kg/m³
REACTION TO FIRE	B-s2, d0

POLYESTER-BASED FIRE-RESISTANT MATERIAL FOR SOUND AND HEAT INSULATION

MATERIAL

Akustik®-Soft is the fiber of polyester 100% pure, white color. It is odourless, non toxic and it doesn't give any epidermal problem; it doesn't create dust and doesn't deteriorate, it keeps its characteristics unaltered over time and it is recyclable. Akustik®-Soft is a class B-s2,d0 material and its smokes are non toxic. Furthermore Akustik®-Soft can be combined with aluminium or with insulating masses such as lead or EPDM.

FIELDS OF APPLICATION

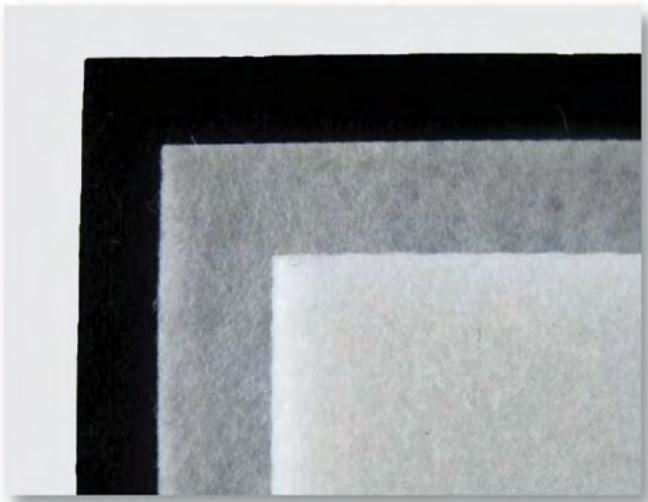
Akustik®-Soft is widely used for heat and sound insulation of every kind of hollow ceilings (plasterboard, staves, mineral fiber, lightened plaster, metal, etc.) for hollow spaces, for masonry and plasterboard supporting walls and for moveable walls, etc. Akustik®-Soft is also widely used in railway and car industry and for the sound insulation treatment of factories.

INSTALLATION

Akustik®-Soft can be easily shaped with scissors or cutter. It could be free laid on false ceilings and partitions, or glued to walls and ceilings with NDA VIL glue.

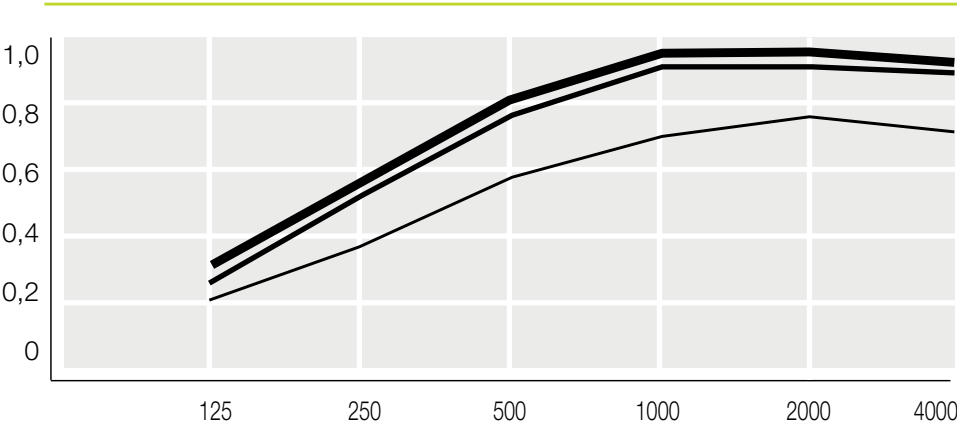
APPLICATIONS

COLOR VARIANTS



WHITE BLACK GREY

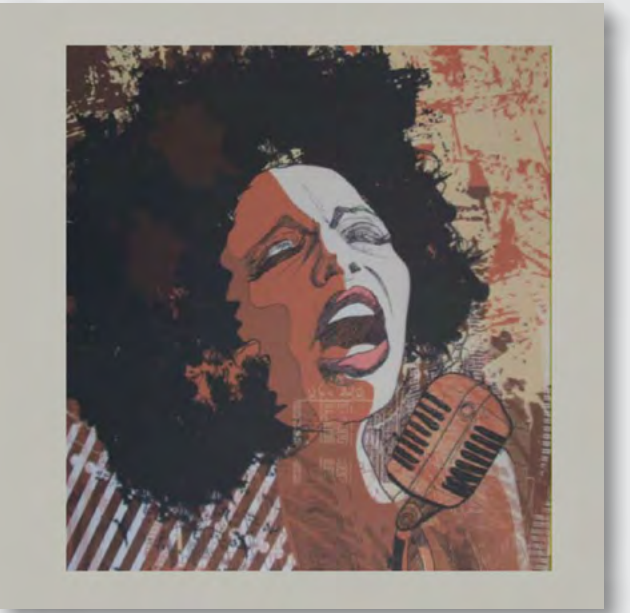
SOUND ABSORPTION COEFFICIENT (αS)



FREQUENZA Hz	125	250	500	1000	2000	4000
D.20 sp. 40 mm	0,20	0,38	0,59	0,70	0,77	0,75
D.30 sp. 50 mm	0,22	0,53	0,78	0,87	0,89	0,87
D.40 sp. 50 mm	0,28	0,57	0,80	0,93	0,97	0,94



# ISOTEK ART



WIDTH	600, 1200 mm
LENGTH	600, 1200 mm
THICKNESS	40 mm
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
REACTION TO FIRE	from 21 to 80 mm C-s2, d0

Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire::  
B-s2,d0 (sp. 30-40 mm)

FULLY CUSTOMISABLE PRINT  
MELAMINE RESIN INSULATION PANEL

## MATERIAL

Isotek Art is a printed insulation panel made of Basotect (BASF) melamine resin. Product with a high thermal resistance +150°C. Isotek Art offers an excellent absorption meeting with every design requirement, given that it is totally customisable. Thanks to an innovative system of high-quality printing, it is possible to reproduce any image, pattern or texture on the panel that becomes a distinctive piece of furniture and design. Isotek Art combines maximum acoustic technology with the aesthetic needs of the environment.

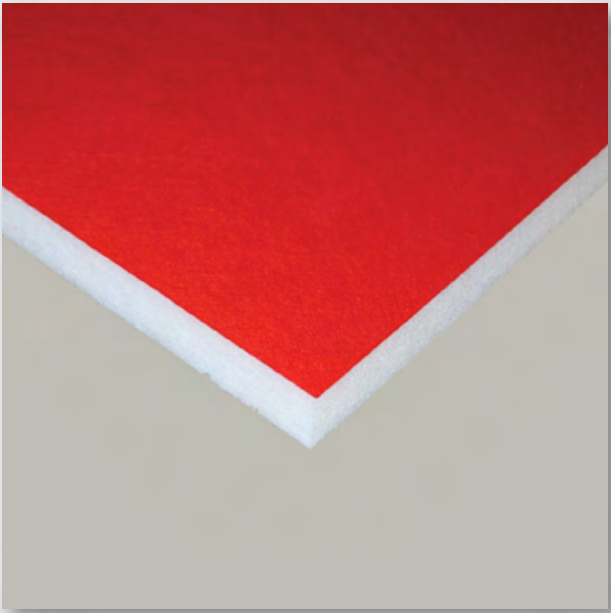
## FIELDS OF APPLICATION

Isotek art is installed in view as a painting or a decorative element, guaranteeing an excellent soundproofing, moreover, it is the ideal solution for public places such as restaurants, bars, pubs, clubs, offices, to reduce or eliminate the phenomena of acoustic reverberation (echo, reverberation , poor understanding of speech or music), ensuring optimal acoustic comfort and aesthetics of the room. The unique printing technology allows to realize large wall designs reproducing one image over the entire surface.

## INSTALLATION

Isotek Art can be applied by gluing directly onto walls and flat surfaces, provided the same are smooth and clean, with adhesive NDA VIL, or installed with a wooden or aluminium frame on a rigid support, to be able to move and reposition as a framework.

# AKUSTIK CEILING



FORMAT	600 x 600 mm
THICKNESS	30 mm Altri su richiesta
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
DENSITY	60 Kg/m³ approx.
COMPOSITION	heat-sealed polyester staple fibre 100%, TNT finish, coloured spunlace polyester.
THERMAL CONDUCTIVITY	$\lambda = 0,035 \text{ W/mK}$
REACTION TO FIRE	B-s1, d0
STANDARD COLOURS	white, red, yellow, grey

HEAT-SEALED WHITE POLYESTER  
FIBER PANEL WITH A TNT  
COLOURED FABRIC

## MATERIAL

Akustik Ceiling is made of white thermo-insulating and sound-absorbing polyester with coloured TNT finish. It is a non-toxic, ecological, resistant and rot-proof product.

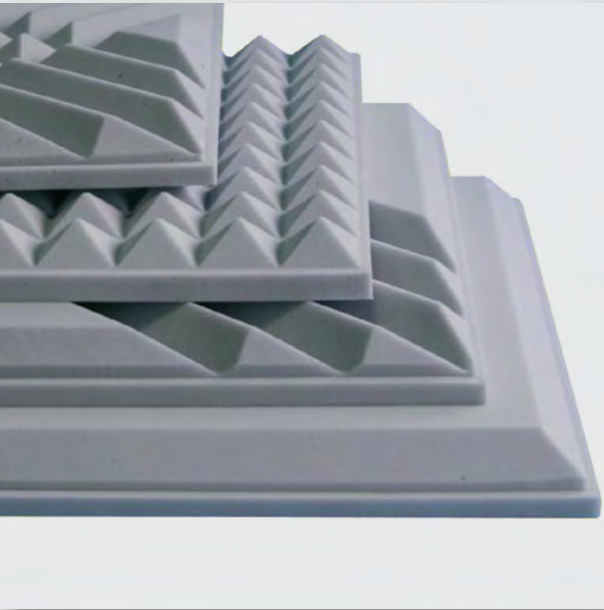
## FIELDS OF APPLICATION

Akustik Ceiling is used where a combination of sound absorption and thermal insulation is needed. It can be applied visible on walls and ceilings.

## INSTALLATION

The product can be installed resting on a 24 mm structure or glued using NDA VIL glue.

ISOTEK - MODULO



WIDTH	600 mm
LENGTH	600 mm
THICKNESS	50 mm
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
THERMAL CONDUCTIVITY A 10°C	W/mK DIN 52612 < 0,035
ACOUSTIC ABSORPTION	S = 50 mm/2000 Hz: % DIN 52215 > 90
REACTION TO FIRE	from 21 to 80 mm C-s2, d0 Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire: C-s2,d0 (sp. 50 mm)

BASOTECT® (BASF) MELAMINE RESIN MODULAR PANEL FOR CEILING

MATERIAL

Isotek-Modulo is a BASF Basotect® melamine resin foam acoustical panel. It is a high thermal resistance product: +150°C. It can be applied both to visible supporting structures of 24 mm or glued to ceilings and walls. It has an excellent sound absorption coefficient. If it has to be installed with the structure, it can have blunted edges and it can be painted on all RAL range colors, upon request.

FIELDS OF APPLICATION

Isotek-Modulo makes it possible to create highly sound absorbing ceiling, lightweight and inspected.

It offers a high degree of versatility combined with excellent acoustic properties.

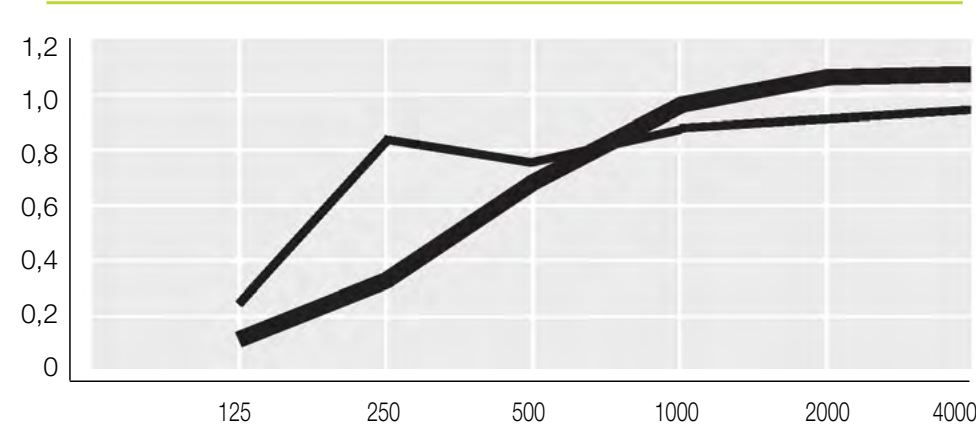
It is widely used in open-space offices, auditoriums, theatres, cinemas, school rooms, etc.

INSTALLATION

The product may be installed on supports (the type must be requested) using the standard 24 mm metal grid or glued using NDA VIL.

APPLICATIONS

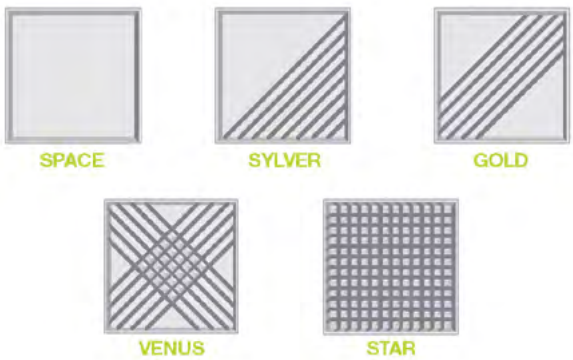
SOUND ABSORPTION COEFFICIENT (αS)



FREQUENCY Hz	125	250	500	1000	2000	4000
αS On cavity 300mm	0,25	0,83	0,79	0,92	0,95	0,99
αS 50 mm glued to the ceiling	0,14	0,34	0,70	0,98	1,01	1,03

Determination of sound absorption coefficient according to DIN 52212 in large reverberation room

DECORATIONS





ISOTEK - BAFFLES



RECANGULAR

WIDTH 500 mm

LENGTH 1200 mm

THICKNESS 45 mm

CYLINDRICAL

LENGTH 600 mm

DIAMETRO 150 mm

Other dimensions on request

REACTION TO FIRE from 5 to 15 mm B-s1, d0,  
from 15 to 20 mm B-s2, d0  
from 21 to 80 mm C-s2, d0

Upon request the product can be supplied in BASOTECT UF FOAM (BASF) color dark grey with the following reaction to fire:

B-s1,d0 (sp. 5-20 mm); B-s2,d0 (sp. 30-40 mm);  
C-s2,d0 (sp. 50 mm)

BASOTECT® (BASF) MELAMINE RESIN  
MOVEABLE BAFFLES FOR SOUND  
ABSORPTION

MATERIAL

Isotek-Baffles is the soundabsorbing panel that can be hanged vertically or horizontally as occasion may require. It is made of Basotect (BASF) melamine resin and provided with special hooks for the application. It is available in rectangular or cylindrical shape, surface on view flat.

Standard color light grey, upon request it can be painted in all RAL range colors. The product can be customized in shapes and dimensions, too.

FIELDS OF APPLICATION

Isotek-Baffles is largely used for noise absorption as far as wide spaces are concerned (factories, gyms), this kind of panels indeed, can be moved to the areas where a sound insulation is needed.

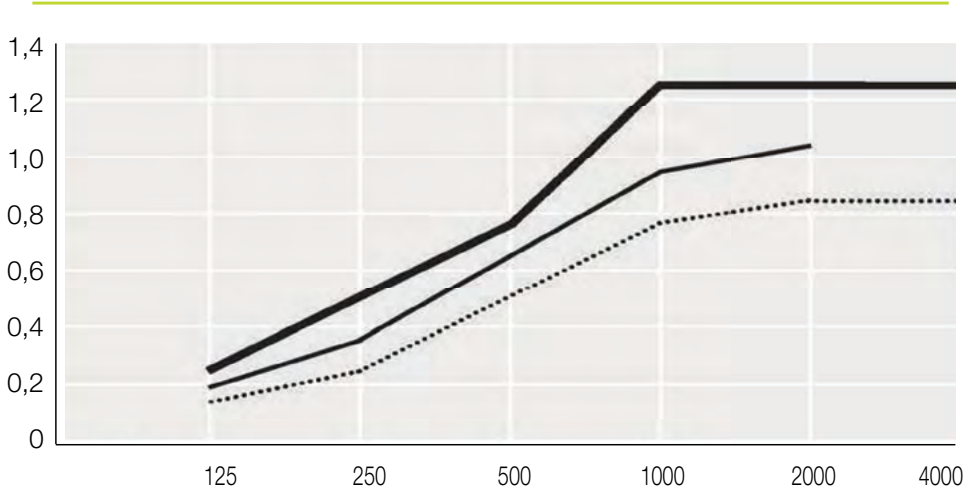
Furthermore it is possible to add panels wherever a higher noise absorption is required.

INSTALLATION

To install Isotek-Baffles boards is very easy. It is sufficient to place some steel rods, at predetermined distances, and then, hang the panels already provided with special hooks.

APPLICATIONS

SOUND ABSORPTION COEFFICIENT (αS)



FREQUENCY Hz		125	250	500	1000	2000	4000	
αS	500 mm		0,25	0,45	0,76	1,21	1,23	1,25
	600 mm		0,19	0,39	0,71	0,99	1,05	1,08
	850 mm		0,17	0,27	0,52	0,78	0,85	0,85



# INSULATEK M



DIMENSIONS	
THICKNESS	70 mm
RECTANGULAR	
SQUARE	1250X625 mm
ROUND	1200X1200 mm
ROUND	Ø 600; 800;1200 mm
<div><div>Rectangular</div><div>Square</div><div>Round</div></div>	
DIMENSIONS TOLERANCE	
according to M4 DIN 7715 Part 2	
REACTION TO FIRE	
from 21 to 80 mm C-s2, d0	

CUSTOMISABLE MODULAR MELAMINE RESIN SOUND ABSORBING ELEMENTS FOR INSTALLATION ON CEILINGS

## MATERIAL

Insulatek M is a modular sound absorbing element made of Basotect (BASF) melamine resin. Customisable, thanks to a special “island” application detached from the ceiling, allowing excellent sound absorption. Insulatek M provides design, performance and speed of realization. The extreme lightness and the method of application with hooks (included) allow for an easy and quick application and the possibility for mobility and repositioning of the elements. Product with a high thermal resistance +150°C.

The size of the elements is customizable on request, as well as the coloring to optimize the design with the interior architecture.

## FIELDS OF APPLICATION

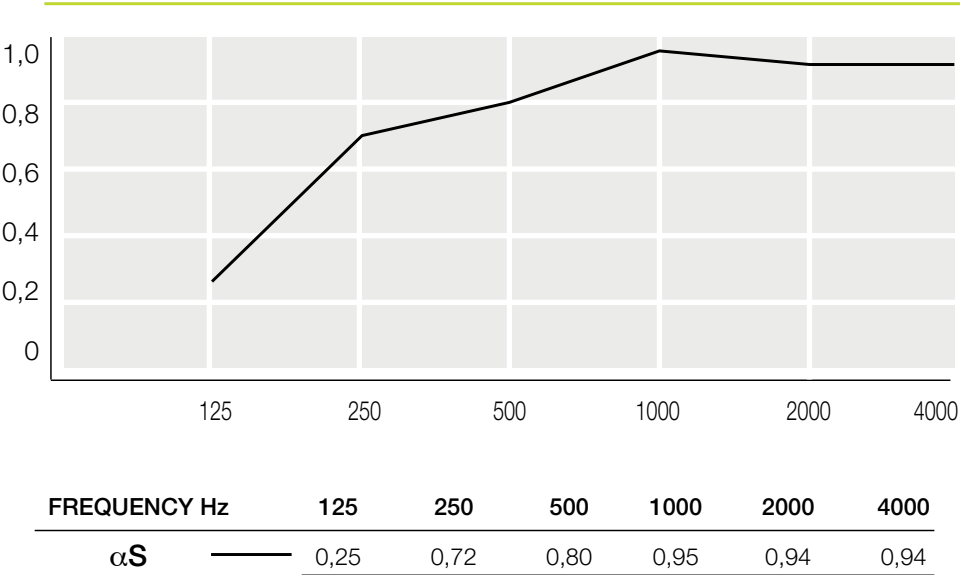
Insultek M is the ideal solution for large public places such as restaurants, bars, pubs, clubs, offices, meeting rooms, to reduce or eliminate the phenomena of acoustic reverberation (echo, reverberation, poor understanding of speech or music), ensuring optimal acoustic comfort and aesthetics of the room.

## INSTALLATION

Insulatek M is applied suspended from the ceiling, using special included hooks.

# APPLICATIONS

## SOUND ABSORPTION COEFFICIENT (αS)





# INSULATEK G



DIMENSIONS

THICKNESS mm 40 mm

RECTANGULAR 1200x600 mm (other upon request)

SQUARE 1200x1200 mm (other upon request)

ROUND ø 1200 mm (other upon request)

DIMENSIONS according to M4 DIN 7715 Part 2

TOLERANCE

STANDARD COLOURS white

EDGES straight, coated

REACTION TO FIRE A2-s1, d0 (with a white glass fiber fabric)

B-s1, d0 (with a colored coating)

DESIGN SOUND-ABSORBING ELEMENTS MADE FOR APPLICATION IN ISLAND SUSPENSION

MATERIAL

INSULATEK G is the design sound-absorbing element made of high-density glass wool and covered with a white glass fiber fabric or with a colored coating. It can be made in different forms.

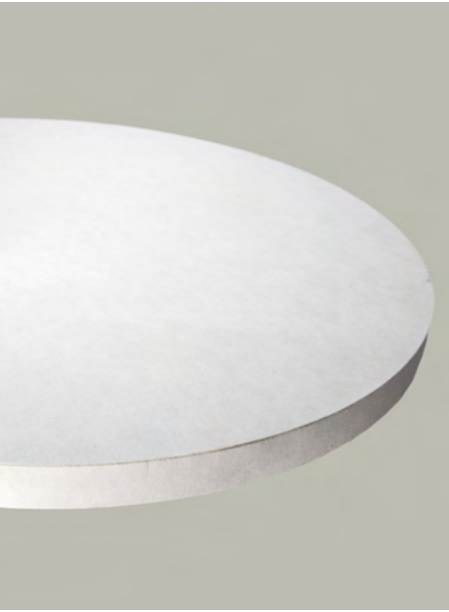
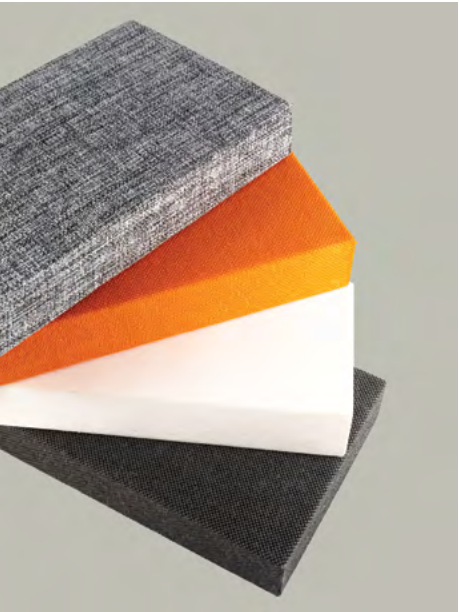
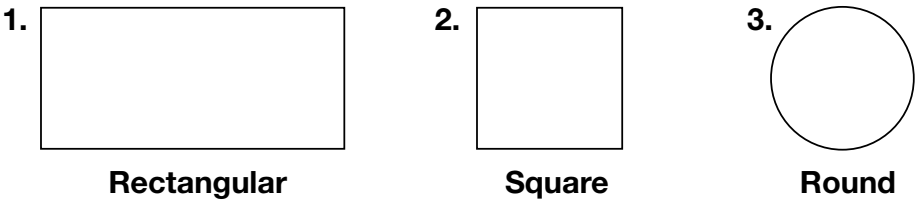
FIELDS OF APPLICATION

Insulatek G combines excellent sound absorption performance with an elegant and modern design. ideal for creating optimal acoustic comfort in restaurants, offices, classrooms, refectories, auditoriums, museums, shopping centers, receptions, meeting rooms, gyms, etc. The effectiveness of the product is substantiated in reducing the reverberation time within the treated environment with consequent lower background noise, greater intelligibility of speech and music.

INSTALLATION

INSULATEK G can be applied both horizontally and vertically. the product is already prepared with hooks for suspension. it is recommended to apply at a minimum distance of 200 mm from the ceiling.

FORMAT

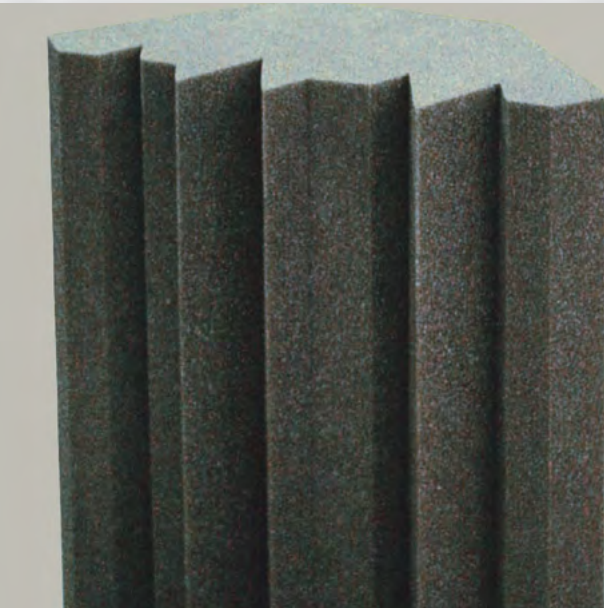


COATING COLORS RANGE





# STUDIO BASSTRAP



LENGTH	1000 mm
DIMENSIONS	420x500 mm
DIMENSIONS TOLERANCE	according to M4 DIN 7715 Part 2
REACTION TO FIRE	polyurethane HF1 (to UL94)

EXPANDED POLYURETHANE  
SOUND ABSORBING ELEMENTS  
FOR THE CONTROL OF THE LOW  
WAVES IN RECORDING STUDIOS

### MATERIAL

Studio Basstrap is the sound absorbing technical element made with expanded flexible open-cell-based polyester resin polyurethane, density 35 kg/m³, dark grey color, resistant to temperatures -10°C +90°C.The special modular shape allows the optimization of the internal acoustics by reducing the ‘nodes’ of the stationary low frequency waves accumulated mainly in the corners of environments.

### FIELDS OF APPLICATION

Studio Basstrap is the ideal technical solution for the problem of standing waves in recording studios, television studios, music halls, radio stations, etc. Studio Basstrap is modular, inexpensive and easy and quick to apply.

### INSTALLATION

Studio Basstrap is applied in corners between vertical walls and between walls and ceiling. The elements are applied with glue NDA VIL.

## ACCESSORIES

Insulating Tapes

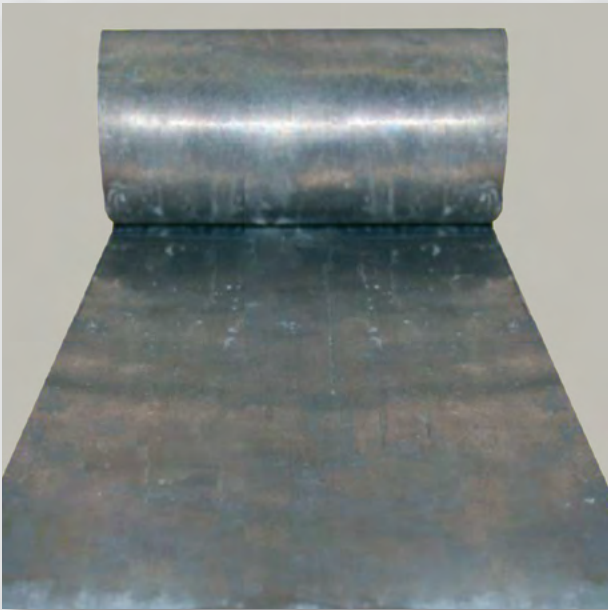
Silencers for ventilation holes

Adhesives

Fixing kit for suspended panels



PB - BAND



Product in rolls	
WIDTH	10 cm Other upon request
LENGTH	1 mtl
THICKNESS	mm 0,35 - 0,50 - 1 - 2 - 3 - 4
DIMENSIONS TOLERANCE	according to DIN 7715 Part 2

PB-BAND IS THE 99,99% PURE LEAD BAND

MATERIAL

99,99% 1st choice pure lead band, to seal junctions between lead-combined plasterboards (Akustik® Gips Art. 4). Available in different thicknesses (0,35 – 0,50 – 1 - 2 – 3 - 4 mm) and variable width in order to obtain a perfect installation for soundproofing and radiation insulation.

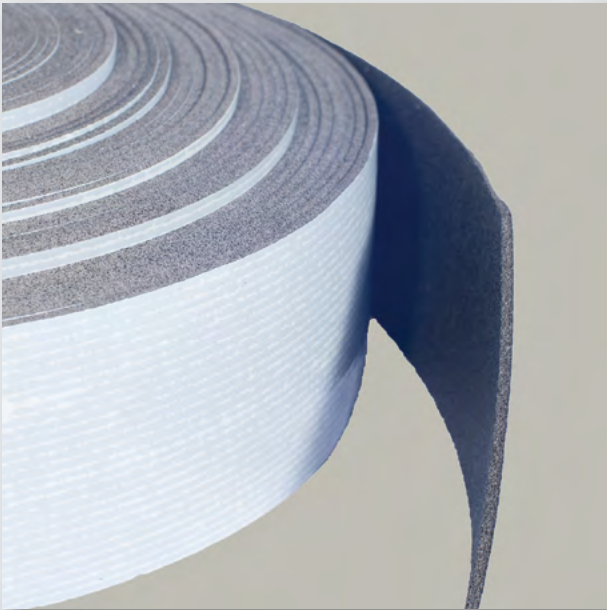
FIELDS OF APPLICATION

Pb-Band is used to seal junctions between lead-combined plasterboards (Akustik Gips art.4) in radiation shielding and sound insulation measures.

INSTALLATION

Pb-Band must be placed using NDA KOLL glue. Upon request it can be also supplied with a selfadhesive side.

AKUSTIK® - BAND



WIDTH	20, 30, 40, 50, 70, 90, 100 mm Other upon request
LENGTH	20 mtl (th. 3 mm) 20 mtl (th. 5 mm) 10 mtl (th. 10 mm)
THICKNESS	3, 5, 10 mm
ADHESIVE	Acrylic water-based
COLOR	dark grey
THERMAL CONDUCTIVITY	$\lambda = 0,035 \text{ WmK}$
DENSITY	33 Kg/m³
REACTION TO FIRE	F, B-s1, d0 upon request

INSULATING TAPED MADE OF EXPANDED CROSS-LINKED POLYETHYLENE WITH CLOSED-CELL STRUCTURE

MATERIAL

AKUSTIK®-BAND is the gasket resistant to noises, air, water and dust. This product made of expanded reticulated polyethylene with closed cells, density 33 Kg/m³, can be supplied single/double-sided self-adhesive. On request it is possible to package every single roll with a plastic film.

FIELDS OF APPLICATION

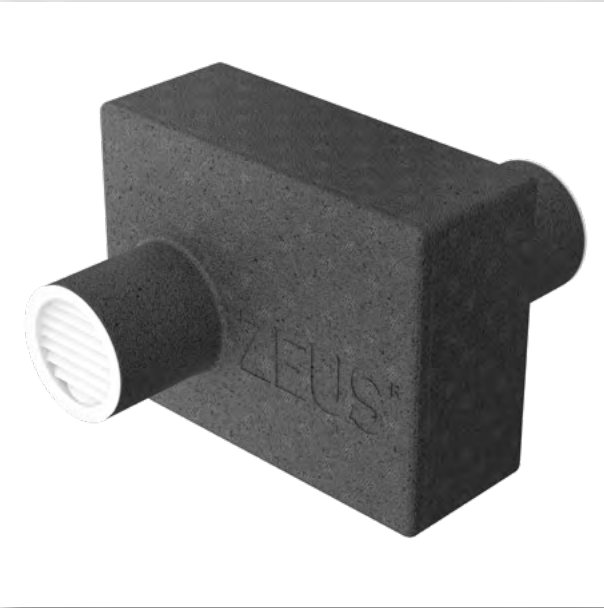
AKUSTIK®-BAND is widely used as gaskets for metal structures for plasterboards and moveable walls, as well as for channellings, ventilation plant and plant engineering.

INSTALLATION

AKUSTIK®-BAND is easy to install thanks to its self-adhesive side and it can be applied to any surface provided that it is smooth and free of oil, dust and grease.

ZEUS®

CE MARKED PRODUCT



DIMENSIONS 45x34x18 cm

INLETS  
DIAMETER 150 mm  
LENGTH 130 mm

SOUNDPROOF INSULATION VALUE:  $R_w = 54 \text{ dB}$  (certified)

THERMAL CONDUCTIVITY OF THE EPS CASING  $\lambda = 0,031 \text{ W/mK}$  a  $10^\circ\text{C}$

THERMAL CONDUCTIVITY OF THE SOUNDPROOFING MATERIAL MADE OF MELAMINE RESIN AT  $10^\circ\text{C}$   $\lambda = 0,035 \text{ W/mK}$

AIR FLOW  $>100 \text{ cm}^2$

ZEUS® IS THE MUFFLER FOR VENTILATION HOLES THAT ALLOWS THE COMPLIANCE WITH THE PASSIVE ACOUSTIC REQUISITES OF THE FAÇADES

MATERIAL

Zeus® is the muffler for ventilation holes that allows the compliance with the passive acoustic requisites of the façades. Zeus® is made of a special polystyrene printed at high density, impact-resistant and self-supporting polystyrene with improved CARBON BLACK conductivity, dark grey in color. Inside it is lines with a high acoustic absorption thermal insulating layer in BASOTECT® G+ (BASF) melamine resin foam and, thanks to a special patented system “silent cable”, allows for optimum air flow.

FIELDS OF APPLICATION

Thermal and acoustic insulation of the building ventilation holes. Compatible with all cement mortars and traditional plasters.

INSTALLATION

Zeus® is lightweight and quick and easy to apply as well as free from fibers inside that could circulate into the environment and in the air. Thanks to its shape and composition, it adapts to any constructive system (double masonry, monolithic, with any external coverings, etc.). It is made with material that is compatible with traditional cement mortars and plasters. Zeus® has an air inlet with a diameter of 15 cm. It is inclusive of special anti-insect grids, built-in, without the use of easily removable glues or mechanical fasteners. Zeus® is self-supporting and can therefore be applied in the implementation stage of the external façade, thus avoiding the subsequent breaking and restoring the external façade.

SMART® 160

CE MARKED PRODUCT



LENGTH 440 mm

DIAMETER 160 mm

EXTERNAL COVERING EPS expanded polystyrene

INTERNAL COVERING expanded melamine

SHAPE cylindrical, corner free  $< 90^\circ$

EPS THERMAL CONDUCTIVITY  $10^\circ\text{C}$   $\lambda = 0,031 \text{ WmK}$

EXPENDED MELAMINE THERMAL CONDUCTIVITY  $10^\circ\text{C}$   $\lambda = 0,035 \text{ WmK}$

SOUNDPROOFING  $R_w = 43 \text{ dB}$  (certified)

AIR FLOW  $>100 \text{ cm}^2$

THE SMALLEST, INNOVATIVE, FAST AND FUNCTIONAL VENTILATION HOLE MUFFLER

MATERIAL

Smart® 160 is the cylindrical muffler for ventilation holes that adapts to very small spaces, suitable both for new buildings and renovations. Made of a specially moulded high density printed polystyrene with improved CARBON BLACK conductivity, dark grey in color with high acoustic absorption thermal insulating material. The closed cell and waterproof EPS casing allows for an excellent insulation and protective function.

FIELDS OF APPLICATION

Thermal and acoustic insulation of the ventilation holes of the buildings, both for new buildings and renovations.

INSTALLATION

Smart® 160 adapts to very small spaces, a hole with a diameter of 160 mm is sufficient to insert the muffler. It can be cut with a simple hacksaw and the system is already equipped with special grilles that are inserted using pressure.



# NDA-KOLL



PACKAGES	Kg 2, 5, 20
REACTION TO FIRE	Flammable
COLOR	Straw-yellow
STORAGE	6 mesi approx. (+10 / +40 °C)
THERMAL RESISTANCE	-5 + 70 °C
VISCOSITY	200 mPas Brookfield a 20°C
INCIDENCE	300 gr/m²

## THE QUICK SETTING ADHESIVE

### MATERIAL

NDA KOLL is the quick setting adhesive, made of synthetic rubbers and resins in a solution of organic solvents. Adhesive produced according to the running laws.

### FIELDS OF APPLICATION

Adhesive used to glue high density mass materials, such as lead, rubber with high density, polyurethanes, polyethylene, polystyrene, etc.

### INSTALLATION

NDA KOLL can be applied through a spray gun (nozzle diameter: 1.5 / 1.7 mm), as well as by paint roller or brush. Make sure that materials to be glued are clean, after the spreading of the adhesive wait at least 30 seconds and no more than 3 minutes.

# NDA - VIL



PACKAGES	Kg 12
COLOR	light beige
RATIO USE	ready for use
WORKING TEMPERATURE	between +5 and +35°C
HARDENING COMPLETE	after approximately 24 hours
INCIDENCE	450 gr/m² approx.
WORKABILITY (OPEN TIME)	30 minutes
SPECIFIC WEIGHT	1.4 gr/cm³ +/- 0.1
VISCOSITY AT 20° C BROOKFIELD RVT	(g.7), (20 RPM) 90.000+/- 10.000 mPAS
PRODUCT EXPIRY	12 months from manufacturing date if correctly stored.

## SINGLE COMPONENT DISPERSION ADHESIVE READY FOR USE

### MATERIAL

NDA VIL is the single-component water and precious resins based adhesive suitable for bonding on absorbent surfaces such as wood, plaster, drywall, etc. NDA VIL is ready to use and is not dangerous.

### FIELDS OF APPLICATION

NDA VIL is the adhesive for bonding insulation boards such as melamine, cork, polyurethane, polystyrene, mineral wool etc.

### INSTALLATION

Apply NDA VIL with the appropriate pronged spatula. Once the product has been spread, exert a suitable pressure in order to ensure contact between the adhesive and the material to be bonded. The spreading of the product must be carried out on the surfaces to which the material is to be bonded.

# FORTECEM dB+



CEMENT-BASED ACOUSTIC GLUE, WATER-RESISTANT, FREEZE-RESISTANT, ELASTIC, FOR LAYING INSULATING BUILDING MATERIALS

### MATERIAL

FORTECEM dB+ has an elastic formulation specifically designed to optimise acoustic insulation of insulating systems through gluing. FORTECEM dB+ increases mass, makes the system more elastic and guarantees +dB. Indicated for laying of insulating building materials, such as the AKUSTIK GIPS and FERMA SOUN D range of panels.

### FIELDS OF APPLICATION

It can be used for the installation of plasterboards combined with a heavy rubber, epdm, etc. layers on plasters, concretes, drywall, existing non-absorbent walls.

### INSTALLATION

Pour clean water into a clean container and add stirring vigorously the sufficient amount of powder to obtain a lump-free, malleable dense and doughy mortar. The panelling is installed on a thick and abundant bed of mortar using a large pronged spatula. Apply on dry and wet surface provided it is solid, stable, has a good grip and has no separators. In the case of gypsum based plaster it is advisable to use a coat of primer on the surface before moving on to the pasting.

PACKAGES	bags from 25 Kg
PERFORMANCE	1 bag approx. 10 m²
REACTION TO FIRE	Not inflammable

# SUSPENDED PANEL FIXING KIT



SUSPENSION SYSTEM FOR SOUND-ABSORBING PANELS

### MATERIAL

This kit for fixing suspended panels consists of n. 4 stainless steel wires with hook clamp, long 120 cm, n. 4 screws and n. 4 stops.

### FIELDS OF APPLICATION

The kit is supplied on request and can be used to suspend from the ceiling the ISOTEK BAFFLES, the INSULATEK M and the INSULATEK G panels, and can also be used for suspended elements such as lighting bodies, etc.

### INSTALLATION

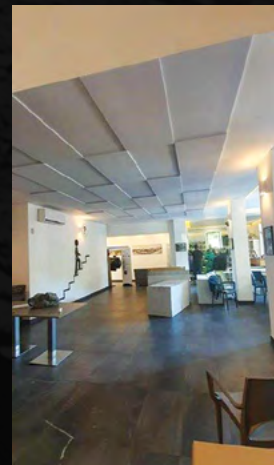
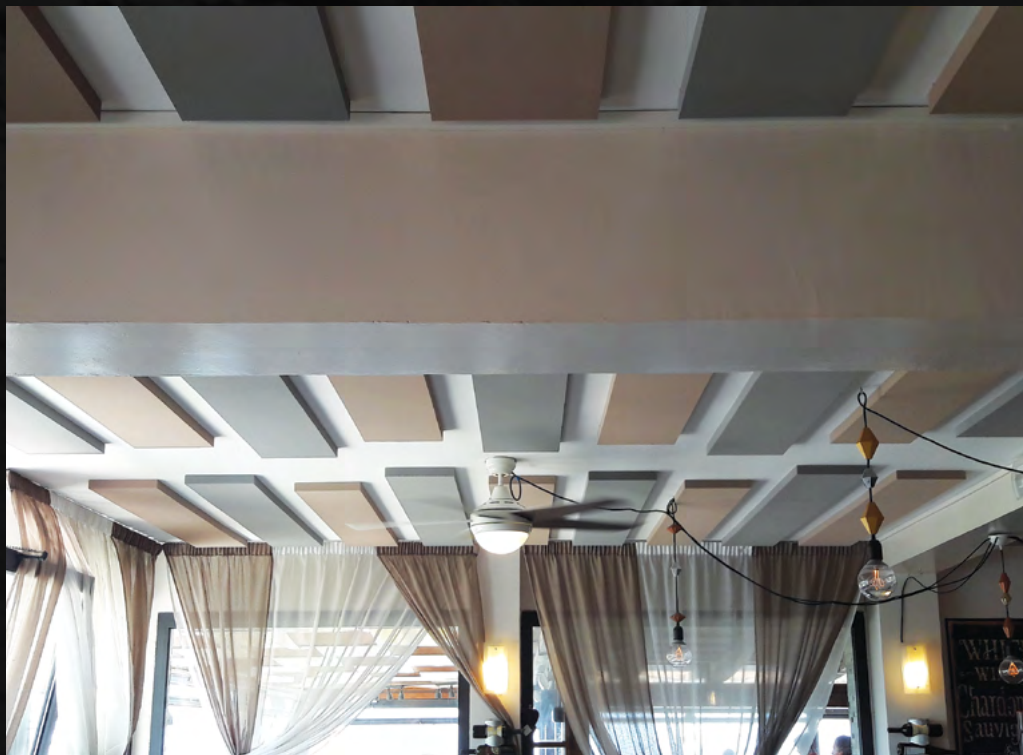
Unscrew the end with the hole and fix it to the ceiling using the stop and the 2,5 cm screw provided. insert the steel wire by adjusting the length according to your needs using the adjustment button that allows, by a light pressure, to slide the steel wire inside with extreme simplicity and speed, and screw it back on. cut off the excess steel wire with a wire cutter.

Unscrew the second end, fix it to the panel to be suspended using the 1 cm screw supplied or with a longer screw if necessary and screw it back on.

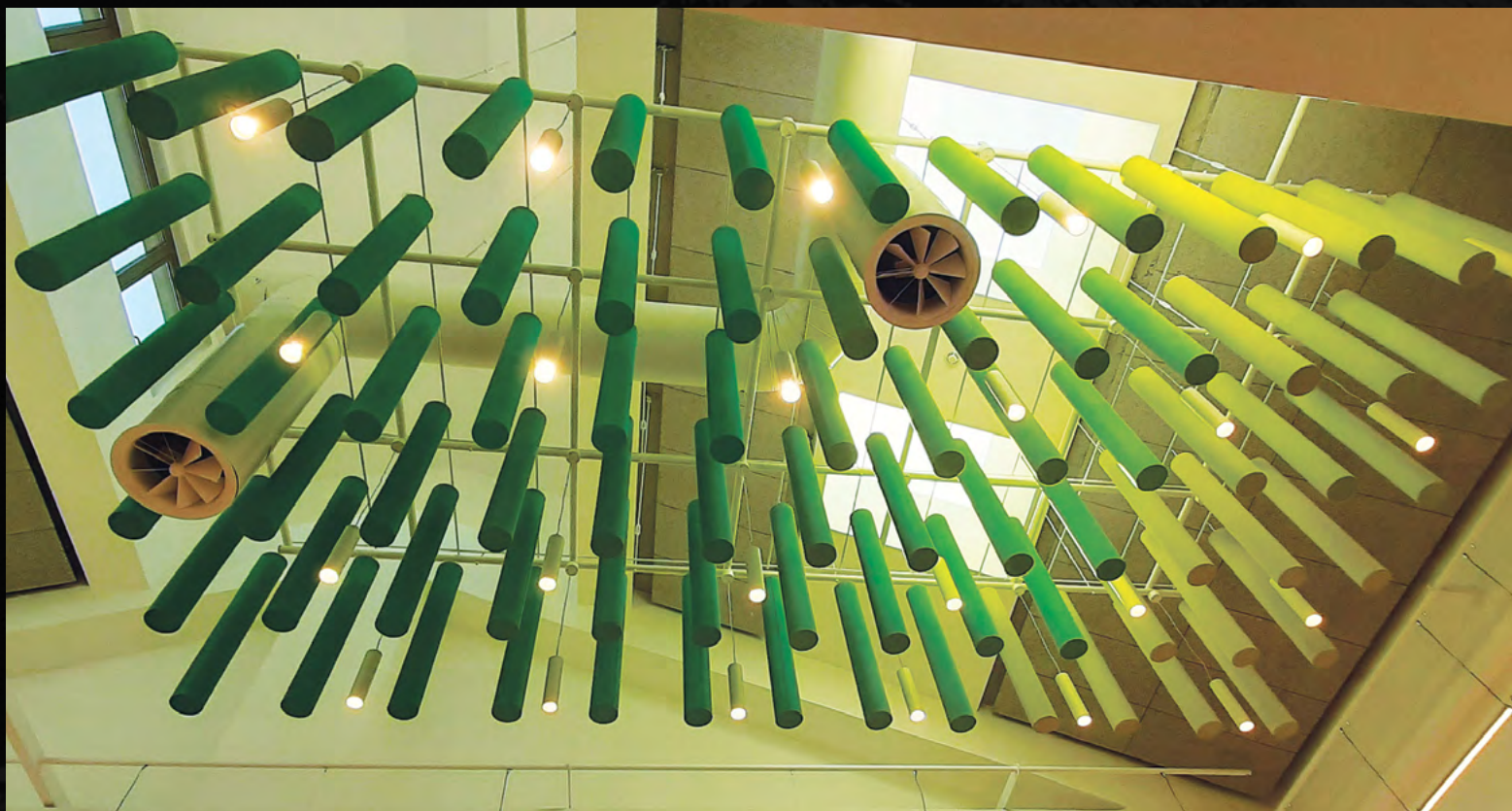
Generally the kit is sufficient for the suspension of a panel.

PACKAGING	4 stainless steel wires with hook clamp
	4 screws (2,5 cm)
	4 screws (1 cm)
	4 stop

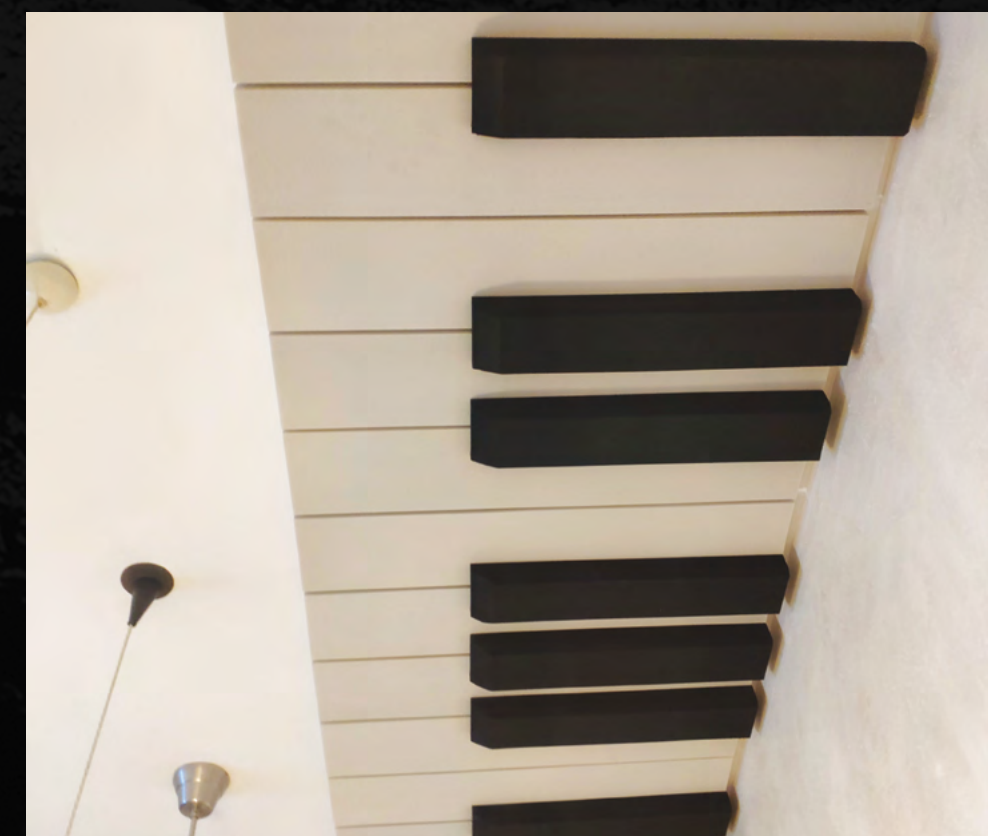
















THE PANELS  
OF SILENCE

PIONEERS FOR OVER 30 YEARS

*The technical department of the NDA is at your disposal for further information and details on construction products and systems*







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