THE PANELS OF SILENCE

NOTE
The information and data contained herein are supplied in good faith and believed to be correct. Nevertheless the company cannot be held responsible for the accuracy of the above information and data, which in no way represent a guarantee.

In view of its policy of constant development and enhancement of its products, N.D.A. S.p.A. reserves the right to modify its product types and characteristics without prior notice.
Through the rational exploitation of resources, N.D.A. offers a wide range of high-quality products, able to meet all requirements as far as sound insulation is concerned.

SOUND INSULATORS
Special Plasterboards
  Combined Rubber
  Lead and EPDM combined

UNDERLAY
Cross-linked expanded polyethylene Rubber
  Combined fabrics

SOUND ABSORBERS
Pyramid-shaped Profiled Flat
  Baffles Ceiling Tiles

ACCESSORIES
band separation strip perimetral band
  Insulating Tapes Anti-Damping Suspensions
  Glue
The activity of N.D.A. takes place in accordance with the protocols of quality, safety and the environment provided by the following certifications:

System of quality management UNI en ISO 9001

![Certification logo](image1)
cert. AJAEU/12/12722

Environmental management system UNI en ISO 14001:04

![Certification logo](image2)
cert. AJAEU09/11885

Management system of the safety and health of workers GHSAS 18001:07

![Certification logo](image3)
cert. AJAEU/10/100651
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**MATERIAL**

Akustik®-Gips Art.2 is a special plasterboard with a lead rubber coating on one side named TECsound whose density is very high and it has a reaction to fire Euroclass B-s2, d0. Such a combination doesn’t allow the plasterboards to vibrate and increases the mass of the whole structure, improving walls and ceilings sound absorption.

**COMPOSITION**

**DIMENSIONS**

Width: 1200 mm  
Length: 2000 or 3000 mm  
Thickness: (appr.) 15 mm

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

°C MARKED PRODUCT
FIELDS OF APPLICATION

Akustik® k-Gips Art.2 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® k-Gips Art.2 is applied as a normal plasterboard.

Usable measured sample: 10,80 m²
Chamber volume issuer: 100 m²
Volume of the receiving room: 90 m²
Test result: 63 dB evaluation index at 500 Hz in the frequency band including between 100 Hz and 3150 Hz
AKUSTIK® - GIPS ART. 3

MATERIAL
Akustik® k - Gips Art.3 is the combination of a plasterboard 12.5 mm thick with Ecorubber, a panel made of rubber granules whose density is 700 Kg/m³. Such a stratification makes of Akustik® k - Gips Art.3, a product with extraordinary sound-insulating properties. It is available in SLIM, MEDIUM and TOP version.

COMPOSITION

PLASTERBOARD WITH AN ECORUBBER (700 KG/M³) PANEL COATING ON ONE SIDE OF 700 KG/M³, FOR SOUND INSULATION AND VIBRATION-DAMPING EFFECT

DIMENSIONS
Width: 1200 mm
Length: 2000 mm
Any other format can be supplied on request.

MARKED PRODUCT
**FIELDS OF APPLICATION**

Akustik® k -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® k -Gips Art.3 must be installed with specific screws or with Fortecem cement mortar as far as masonry walls are concerned.
AKUSTIK® - GIPS ART. 4 (Pb)

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 waves. Akustik® k -Gips Art. 4 is also a good sound-insulating material.

DIMENSIONS
Width: 1200 mm  
Length: 1000 - 2000 mm

FIELDS OF APPLICATION
Surgeries, hospitals, etc.

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

COMPOSITION

| 5/10 | 5.8 Kg circa |
| 10/10 | 11.5 Kg circa |
| 15/10 | 16 Kg circa |
| 20/10 | 22 Kg circa |
| 30/10 | 34 Kg circa |

| Thai | BA 12.5 |
| Thai | BA 12.5 |
| Thai | Thai |

MARKED PRODUCT

PLASTERBOARD WITH A LEAD SHEET LAYER COATING ON ONE SIDE FOR THE SCREENING OF X-RAY ROOMS
AKUSTIK® - GIPS ART. 5 (Isotek)

PLASTERBOARD COMBINED WITH AN EXPANDED MELAMINE PANEL BASOTECT® (BASF), FOR SOUND AND HEAT INSULATION

MATERIAL
Akustik®- Gips Art. 5 is the plasterboard coated on one side with a melamine Basotect® foam (by BASF), class 1 of reaction to fire, density 11 Kg/m³, with very good soundabsorbing and heat-insulating properties.

DIMENSIONS
- Width: 1200 mm
- Length: 2000 - 3000 mm

FIELDS OF APPLICATION
Akustik® k-Gips Art. 5 is easy to hand, light and safe for fire prevention. This product is used for the sound and heat insulation treatment of existing masonry. Akustik® k-Gips Art. 5 is widely used for hospitals, theatres, schools, offices, houses and commercial buildings.

INSTALLATION
It can be easily applied through Fortecem cement mortar on masonry walls.

COMPOSITION

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**Akustik® k - Gips Art. 6**

**MATERIAL**

Akustik® k - Gips Art. 6 is a special plasterboard with a polyethylene/lead layer coating on one side. Such a combination increases the mass of the whole structure, improving walls and ceilings sound absorption in overall dimensions.

**COMPOSITION**

- **A 5 mm**
- **B 12.5 mm**

**DIMENSIONS**

- **Width:** 1200 mm
- **Length:** 2000 or 3000 mm
- **Thickness:** 19 mm

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

Used for sound insulated walls where the reflecting power of lead needs to be combined with the absorption power of Akustik® k-Gips Art.6. It is widely used for partition walls and false ceilings sound insulation, where a thin material is required.

INSTALLATION

L’Akustik®-Gips Art. 6 si applica come una normale lastra in cartongesso.
**AKUSTIK® - GIPS ART. 8**

**MATERIAL**
Akustik®-Gips Art. 8 is a special plasterboard, 12.5 or 15 mm thick, coated on one side with a 19 mm thick wood fibre panel with a density of 250 kg/m³, with excellent thermal insulation and soundproofing characteristics.

**DIMENSIONS**
*Total thickness:* 31.5 mm  
*Dimensions:* 1200x2000 mm  
*Other thickness upon request.*

**COMPOSITION**

**FIELDS OF APPLICATION**
Akustik®-Gips Art.8 is widely used for residential and commercial buildings, dry lining on existing walls, wherever it is necessary to combine thermal insulation and soundproofing with reduced thickness.

**INSTALLATION**
Easily applied with Fortecem cement mortar on masonry partitions. It can be cut and shaped like a normal panel of plasterboard.

**PHYSICAL PROPERTIES**
- **Coefficient of Thermal Conductivity:** <0.043 W/mK  
- **Wood fibre density:** 250 Kg/m³  
- **Sound absorption:** 0.1 $\alpha_S$ 250-500 Hz; 0.3 $\alpha_S$ 1-2 kHz
AKUSTIK® - GIPS ART. 9

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

MATERIAL
AkustikGips® art. 9 is the special two layer sound barrier plasterboard, soundproof and Thermal insulating, self-supporting, achieved by combining a 20mm thick layer of AKUSTIK SOFT, polyester non-toxic thermal bonded fibre, 100% pure, Euroclass B-s2 d0 flame resistance and a 50 kg/m³ density, and a layer of BA 13 drywall.

DIMENSIONS
Total thickness: approx 33 mm
Standard measurements: 1200x2000 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.

COMPOSITION

PHYSICAL PROPERTIES
- Thermal resistance: 0.62 m² K/W
- Resistance to water vapour diffusion: Sd = 0.14 m
- Insulation strength: Rw 54,0 dB (theoretic value)

INSTALLATION
Akustik®-Gips art. 9 can be applied with dry lining to existing walls by direct bonding with FORTECEM cement mortar and any mechanical fasteners.
AKUSTIK® - GIPS ART. 10

MATERIAL
AkustikGips® art. 10 is the special double layer sound barrier plasterboard, self-supporting, achieved by combining a special layer of centrifuged rubber latex with a surface point and a layer of 13 mm thick drywall.

DIMENSIONS
Total thickness: approx. 22 mm
Standard measurements: 1200x2000 mm; 1200x3000 mm

FIELDS OF APPLICATION
AkustikGips® art. 10 is a product made for pasting onto existing vertical structures: with a few centimetres it offers good soundproofing thanks to the special surface point of the latex that allows for the optimal separation of the drywall panels from the walls.

INSTALLATION
AkustikGips® art. 10 is applied with FORTECEM cement mortar to existing walls. In order to increase performance the application of a second offset panel of FERMASOUND® BASE is recommended.

COMPOSITION

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

PHYSICAL PROPERTIES
• Latex weight: 3,7 kg/m²
• Acoustic increase: Rw7,0 dB (theoretic value)
PLASTERBOARD COMBINED WITH AN EXPANDED EXTRUDED POLYSTYRENE PANEL FOR HEAT INSULATION

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.

DIMENSIONS

Panels: mm 3000x1200
Thicknesses: 10+20 mm; 10+30 mm; 10+40 mm. Other on request.

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 through adhesive mortar on masonry walls, and plastic jacket screws.

PHYSICAL PROPERTIES

- Compression set: 10% thickness 20 e 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
SPECIAL PLASTERBOARDS

TERMOGIPS

MATERIAL
Termogips is a special double layer plasterboard, thermal insulating, soundproofing, self-supporting, achieved by combining a layer of fibreglass, of variable thickness, and a 13 mm layer of drywall.

DIMENSIONS
Drywall thickness: 13 mm
Fibreglass thickness: da 20 a 50 mm
Standard measurements: 1200 x 2000; 1200 x 3000 mm

COMPOSITION
PLASTERBOARD COMBINED WITH A FIBREGLASS PANEL FOR SOUNDPROOFING AND THERMAL INSULATION

FIELDS OF APPLICATION
Termogips is used as thermal insulation and soundproofing for dry lining installations on existing walls, exterior walls, dividers between housing, etc.

INSTALLATION
Termogips is installed using FORTECEM cement mortar to existing walls and any other mechanical fasteners.

PHYSICAL PROPERTIES
- Thermal conductivity of the plasterboard \( \lambda_D = 0.25 \text{ W/m·K} \)
- Thermal conductivity of the fibreglass \( \lambda_D = 0.031 \text{ W/m·K} \)
- Specific heat: 0.2 kcal/kg·°C
- Fire reaction: Euroclass A2-s1-d0
- Fibreglass density: 80 Kg / m³
- Insulation strength: Rw 52 dB
FERMASOUND® BASE

GYPSUM FIBRE BOARD TO COMBINE WITH THE ADVANTAGE OF MASONRY WALL CONSTRUCTION TO THOSE TYPICAL OF DRY CONSTRUCTION

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

REACTION TO FIRE
Euroclass A2-s1, d0 to UNI EN 13501-1

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.

PHYSICAL PROPERTIES
- Nominal density: 1150±50 kg/mc
- Resistance factor to water vapour diffusion: μ 13
- Brinell Hardness: 30 N/mm²
- Thermal conductivity: λ 0.032 W/mK
- Thermal expansion coefficient: 0.001% K
- Humidity compensation at 20°C following a variation of 30% of the relative humidity: 0.25mm/m
- Humidity compensation at 20°C and relevant humidity of 65%: 1.3%
- Value pH 7-8

DIMENSIONS
- Width: 1200 mm
- Length: 2000 mm
- Thickness: 12.5 mm

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

MATERIAL
Fermasound art.2 is a special soundproof board for hotels, schools and hospitals, made of gypsum fibre covered on one side with a high density mass layer of EPDM Tecsound® with low elastic modules in Euroclass B-s2 d0 and a total weight of 20.5 kg/ m².

DIMENSIONS
- Width: 1200 mm
- Length: 2000 mm
- Thickness: approx. 15 mm

COMPOSITION
12.5 MM GYPSUM FIBRE BOARD WITH A WEIGHT OF 15 KG/M² COMBINED WITH AN EPDM TECSOUND® HIGH MASS LAYER OF 5,5 KG/M²

FIELDS OF APPLICATION
Fermasound art. 2 is widely used in partitions and drywall ceilings, in order to increase the soundproofing, it is also ideal for moist environments or for fire prevention. 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 fastened to metallic structure with special self-tapping screws for gypsum fibre. The board junctions are achieved using a special sealant for gypsum fibre, supplied on request. For walls the recommended distance of the mounting points is 25 cm, while for ceilings and attics it is 20 cm.

REACTION TO FIRE

Euroclass B-s2 d0 to UNI EN 13501-1

PHYSICAL PROPERTIES

- Nominal density: 1150±50 kg/m³
- Resistance factor to water vapour diffusion: μ 13
- Brinell Hardness: 30 N/mm²
- Thermal conductivity: λ 0.032 W/mK
- Thermal expansion coefficient: 0.001 % K
- Humidity compensation at 20°C following a variation of 30% of the relative humidity: 0.25mm/m
- Humidity compensation at 20°C and relevant humidity of 65%: 1.3%
- Value pH: 7-8
MATERIAL
Fermasound® art. 3 is a special soundproof panel made with a 12.5 mm gypsum fibre 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 14 kg/m², soundproof and anti-vibration. Each board has a total surface weight of 29 kg/m².

COMPOSITION

DIMENSIONS
Width: 1200 mm
Length: 2000 mm
Thickness: 17 - 23 - 33 mm approx.
PHYSICAL PROPERTIES

- **Nominal density:** 1150±50 kg/m³
- **Resistance factor to water vapour diffusion:** μ 13
- **Brinell Hardness:** 30 N/mm²
- **Thermal conductivity:** λ 0.032 W/mK
- **Thermal expansion coefficient:** 0.001 % K
- **Humidity compensation at 20°C following a variation of 30% of the relative humidity:** 0.25mm/m
- **Humidity compensation at 20°C and relevant humidity of 65%:** 1.3%
- **Value pH:** 7-8

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 or where fire prevention protection is required.

INSTALLATION

Fermasound® art. 3 can be installed on metal trusses or wooden rods with special self-tapping screws for gypsum fibre, or installed directly with dry lining on an existing wall using Fortecem cement mortar. The board junctions are achieved using a special sealant for gypsum fibre, 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.
SUPREMA® CEMENT BOARD

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.

DIMENSIONS
Width: 1200 mm
Length: mm 2000 pallet of 120 m², mm 2400 pallet of 115,20 m²
Thickness: approx. 12.5 mm

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 the application.

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

PHYSICAL PROPERTIES
- Dimensions: mm 2000/2400x1200
- Weight: 15 kg/m²
- Fire reaction: euroclass A1
- Thermal conductivity: 0.174 W/mK
- Flexural strength: 6.210 N/mm
- Compressive strength: 15.16 N/mm
- Water absorption (after 24 h): < 8.4 %
- Linear variation: 0.07%
- Fungus Resistance: no growth
- Resistance to mold: no growth

FIRE REACTION
Euroclass A1 to UNI EN 13501-1
SUPREMA® FLEX

SUPREMA® CEMENT BOARD 6.5 mm FLEX IS THE FLEXIBLE CEMENT BOARD FOR ARCHS, WINDOWS, COLUMNS AND EVERY ROUND SURFACE, FOR INTERNAL AND OUT-DOOR INSTALLATIONS.

**TECHNICAL DETAILS**
- **Weight:** approx. 9.0 kg/m²
- **Bending radius:** 0.50 m
- **Flexural strength:** 1400 PSI

**DIMENSIONS**
- **Width:** 915 mm
- **Length:** 2438 mm
- **Thickness:** approx. 6.5 mm

**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.
SUPREMA® ART. 2

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.

DIMENSIONS
Width: 1200 mm
Length: 2000 or 2400 mm
Thickness: 15 mm approx.
Sound reduction index: Rw 38.00 dB

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.

COMPOSITION

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.

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®
SUPREMA® CLIMA

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

EXTRUDED POLYSTYRENE PHYSICAL PROPERTIES

- **Water absorption**: 1.0% by volume
- **Vapor permeability**: μ 100
- **Operating temperature**: -65°C / + 75°C
- **Conductivity coefficient** :
  - sp. 20 mm e 30 mm: 0.032 W/mK
  - sp. 40 mm: 0.033 W/mK
  - sp. 50 mm: 0.034 W/mK

DIMENSIONS

**Plates**: 2000 x 1200 mm

**Thicknesses**: 12.5 + 20 mm;
12.5 + 30 mm;
12.5 + 40 mm;
12.5 + 50 mm.
Others on request.

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® - ONE

MATERIAL
Akustik® k-One is the threelayer panel made up of EPDM rubber mass placed between a glass fiber layer (density 75 kg/m³) and an agglomerated polyurethane layer (density 105 kg/m³). This product is equipped with a protective envelope, its total weight is 11 Kg/m² and it is 35 mm thick.

DIMENSIONS
Width: mm 1000
Length: mm 600
Thickness: mm 35
Size Tolerance to DIN 7715 standard, part 2.

FIELDS OF APPLICATION
Akustik® k -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. Very often it is necessary to employ Akustik® k -One for partition walls between two apartments or between room and bathroom. Furthermore, Akustik® k –One is also a good heat-insulating material.

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

PHYSICAL PROPERTIES
- Sound Insulating Power: Rw 30 dB certificated
- Weight: 11 kg/m²
- Dimensions: 1000x600
- Thickness: 35 mm
- Thermal conductivity: W/m·K 0.036
- Insulating mass: pure EPDM, without lead or bitumen
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.
AKUSTIK® - WOOD

MATERIAL
Akustik® Wood is the combination of a polyester fiber layer (Density 30 kg/m³) placed between two panels of pressed wood fiber (250 Kg/m³), with a total weight of 5,2 kg/m² and a total thickness of 40 mm.

COMPOSITION
Internal material: polyester fiber 20 mm thick, density 30 Kg/m³.

External material: two wood fiber panels 10 mm thick, density 250 Kg/m³.

DIMENSIONS
Width: 1400 mm
Length: 600 mm
Thickness: 40 mm,
On request even 44 mm.

Size Tolerance to DIN 7715 standard, part 2.
**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 sound 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 with internal sides carefully plastered taking care of the continuity of the panels and avoiding spaces left uncovered by the material. The panel can be fixed using FORTECEM 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.

**PHYSICAL PROPERTIES**

- Sound Insulating Power (between two 8 cm hollow bricks): Rw 64 dB
- Sound Insulating Power (panel itself): Rw 32 dB
- Weight: 5.2 kg/m²
- Transmittance pressed wood fiber: λ = 0.044W/mK
- Transmittance polyester fiber: 0.045Kcal/HMC
- Self-Supporting Panel
SOUND INSULATION FOR PARTITIONS MASONRY

PARET-ONE®

MATERIAL
Paret-One® is a triple layer product, achieved by combining a layer of wood fibre, a layer of drywall and layer of fibreglass.

DIMENSIONS
Length: 1200 mm
Width: 2000, 2500, 3000 mm
Thickness: 52 mm

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 cement mortar. Once the installation has been completed it is possible to proceed with building a second perforated brick cladding wall.

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

PHYSICAL PROPERTIES
- Weight: 16 kg/m²
- Thermal conductivity:
  - wood fibre layer with thickness of 19 mm and density of 250 kg/m³: λ 0.044 W/mK
  - layer of drywall 13 mm: λ 0.21 W/mK
  - fibreglass layer with thickness of 20 mm and density of 80 kg/m³: λ 0.042 W/mK
- Soundproofing:
  - theoretical data with the product in a gap between two 8 cm holes and 1 15 mm plaster per side: 60 dB
  - data surveyed on the work site with the product in a gap between 12 cm holes without interior or exterior plaster, rough construction, and 8 cm holes, with plaster but with various kitchen plant designs (electrical outlets, plumbing, drains, etc.) 54 dB
WOOD-BOARD

WOOD FIBRE BOARD FOR THERMAL AND SOUNDPROOFING INSULATION

PHYSICAL PROPERTIES
- Usable thermal conductivity: $\lambda = 0.044 \text{ W/mK}$
- Resistance to water vapour diffusion: $\mu = 5$
- Density: 250 kg/m$^3$
- Humidity: $\leq 12\%$

MATERIAL
Wood-Board is the ecological board made with pressed wood fibre, density 250 kg/m$^3$, devoid of toxic substances.

DIMENSIONS
- Width: 1200 mm
- Length: 2500 mm
- By request even mm 2000, 3000.
- Thickness: 19 mm
- Dimensional tolerances pursuant to DIN 7715 Part 2.

FIELDS OF APPLICATION
Wood-Board is widely used as thermal and soundproofing wall insulation in gaps or on the ceiling.

REACTION TO FIRE
Normally flammable.

INSTALLATION
The Wood-Board board is mounted with Fortecem cement mortar and sealed onto junctions with Akustik® Band. It is easily shaped on site.
**MATERIAL**
PE is the roll of not cross-linked polyethylene foam with a density of 20 kg / m³ approx. It is widely used in construction, for acoustic insulation, as a separating layer and for protection of horizontal and vertical surfaces.

**DIMENSIONS**
- **Density**: 20 Kg/m³ about
- **Thickness**: 3.5 mm
- **Rolls**: H 1200 X L 100 m

**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.

**PHYSICAL PROPERTIES**
- **Thermal conductivity**: \( \lambda \approx 0.043 \) W/mK
SOTTOPARQUET

POLYETHYLENE EXPANDED ROLL NOT CROSS-LINKED FOR SOUND AND THERMAL INSULATION OF THE UNDERLAY

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.

DIMENSIONS
Thickness: 2 mm
Rolls: H 1200 X L 25 mtl
Dimensional tolerance: ± 10%

PHYSICAL PROPERTIES
- Thermal conductivity: λ 0.043 W/mK
- Reduction of impact noise: 18.0 dB
AKUSTIK® - PE

MATERIAL
Akustik® k-PE is a chemically cross-linked polyethylene with a cell-closed structure, density 33 Kg/m³, high compression resistant material with a reduced permanent set (on request physically 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.

DIMENSIONS
Thickness: 3, 5, 10 mm
(Any other on request)
Height: 1080/1500 mm; 3 mm thick; 1500 mm; 5 and 10 mm thick
Length: 150 m 3 mm thick; 100 m 5 mm thick; 50 m 10 mm thick; Others on request.

FIELDS OF APPLICATION
Akustik® k-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 thermal 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.

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

PHYSICAL PROPERTIES
• Color: grey anthracite
• Reaction to fire Self-extinguishing: CL 1 on request
• Thermal conductivity: \( \lambda = 0.035 \text{ W/mK} \)
• Density: 33 kg / m³
• Resistance to temperature: -80 + 100°C

REACTION TO FIRE
CL1 on request.
PAVIPIÙ® SLIM IS THE DOUBLE LAYER ROLL FOR SOUNDPROOFING INSULATION FOR FLOORING

PHYSICAL PROPERTIES

- **Material type:** linked polyethylene d. 30 kg/m³ combined with a special needle punched fabric of 4 mm. and 300 g/m²
- **Color:** anthracite grey
- **Thermal conductivity:** $\lambda = 0.036$ W/mk
- **Dynamic stiffness:** $s' = 24$ MN/m³
- **Improvement of the insulation:** from 28 to 32 dB in function of the screed type of the flooring (calculation made pursuant to UNI EN ISO 12354)

MATERIAL

Pavipiù® Slim is made with a special layer of linked polyethylene with 3 mm thickness, 33 kg/m³ density, combined with special needle punched technical fabrics that allow to obtain a high level of soundproofing insulation for flooring and a good thermal insulation.

DIMENSIONS

- **Rolls:** h 1500 mm
- **Length:** 50 mtl.
- **Thickness:** approx. 7 mm

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.
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.

DIMENSIONS
Rolls: h 1500 mm
Length: 50 mtl.
Thickness: approx. 9 mm

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.

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

PHYSICAL PROPERTIES
• Material type: linked polyethylene d. 30 kg/m³ combined with a special needle punched fabric of 4 mm. and 300 g/m²
• Color: anthracite grey
• Thermal conductivity: $\lambda = 0.036$ W/mk
• Dynamic stiffness: $s' = 11$ MN/m³
• Resonance frequency: 37 Hz
• Improvement of the insulation: from 28 to 34 dB in function of the screed type of the flooring (calculation made pursuant to UNI EN ISO 12354)
PAVIPIÙ® PLUS IS THE TRIPLE LAYER ROLL FOR THE SOUNDPROOFING INSULATION FOR FLOORING WITH EXCELLENT DYNAMIC STIFFNESS CHARACTERISTICS

PHYSICAL PROPERTIES

- **Material type:** linked polyethylene d. 30 kg/m² combined with a special needle punched fabric of 4 mm. and 300 g/m²
- **Color:** anthracite grey
- **Dynamic stiffness:** $s' = 13$ MN/m³
- **Resonance frequency:** 40 Hz
- **Improvement of the insulation:** from 28 to 34 dB in function of the screed type of the flooring (calculation made pursuant to UNI EN ISO 12354)

MATERIAL

Pavi piè® Plus is made of a layer of linked expanded polyethylene with a 5 mm thickness, 33 kg/m² 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.

DIMENSIONS

- **Rolls:** h 1500 mm
- **Length:** 25 mtl.
- **Thickness:** approx. 11 mm

FIELDS OF APPLICATION

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

INSTALLATION

Pavi piè® Plus thanks to its lightness and flexibility can be positioned, transported to various floors and shaped very easily. Pavi piè® Plus must be applied to the floor with the special anti-tear fabric positioned facing upwards (screed no less than 5 cm, otherwise it has to be reinforced).
## UNDERLAY

### PHYSICAL PROPERTIES

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<th>Property</th>
<th>MD</th>
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<tbody>
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<td>Total surface density</td>
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<td>Thickness</td>
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<td>Dynamic stiffness</td>
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### INSTALLATION

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

### FIELDS OF APPLICATION

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

### 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 6mm thick polyester fibre underlay. Very resistant to tears and footsteps, it is waterproof and forms a moisture barrier.

### DIMENSIONS

- **Form:** h 1050
- **Length:** 10 mt.
- **25 rolls per pallet**
PERFORMANT

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

PHYSICAL PROPERTIES

- Total surface density: 3700 g/m²
- Thickness: 10 mm
- Floor insulation: $\Delta L$ from 28 to 32 dB in function of the type of screed (estimate calculation)

MATERIAL

Performant is the rubber latex underlay with high elasticity, weight approximately 3.7 kg/m², with a special surface point that allows to obtain a high level of acoustic insulation of the flooring.

DIMENSIONS

Rolls: h 1,22 m
Length: 12,35 m
Thickness: 10 mm

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.
**MATERIAL**

Ecoroll® is obtained from the agglomeration of vulcanized rubber micro-granules (density 720 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.

**DIMENSIONS**

**Rolls width:** 1000 mm  
**Thickness:** 3 mm, 4 mm, 5 mm, 6 mm, 8 mm  
Other thicknesses and dimensions on request.  
Size Tolerance to DIN 7715 standard, part 2.

**REACTION TO FIRE**

Class B2 DIN 4101 (normal flammability).
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. Always use AKUSTIK® BORDER perimeter band.

To have a good result, we suggest to place a layer of polyethylene under the rough floor. Ecoroll can also be installed under the wooden floors.

**FIELDS OF APPLICATION**

Ecoroll is widely used under the flooring in order to improve footfall soundproofing. It can be installed in any kind of construction (houses, offices, hospitals, trade centres, etc.) as it offers an excellent sound insulation, better than what the law provides for.

**INSTALLATION**

Dynamic stiffness measurement value 5 mm: 55 MN/m³

Impact sound insulation of floors: $\Delta L: 24.5$ dB

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<th>$L_I$ (dB)</th>
<th>$T$ (sec)</th>
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<td>76.9</td>
<td>59.4</td>
<td>1.26</td>
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</tbody>
</table>
ECORUBBER®

MATERIAL
Ecorubber® is made of vulcanised high quality rubber granules, density 700 Kg/m³, resistant to high and low temperatures (-60°C +200°C). This special combination allows this product to have an extraordinary mechanical, thermal and chemical resistance to humidity and oils; furthermore it doesn’t mould or create dust.

DIMENSIONS
Width: 1200 mm
Length: 1000 mm
Thickness: 10-20 mm,
Any other format can be supplied on request.

REACTION TO FIRE
Class B2 DIN 4102 (normal flammability).

SOUND-INSULATING AND ANTIVIBRATION PANEL IN VULCANISED RUBBER GRANULES WITH HIGH DENSITY
Ecorubber® r 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® r 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.

**PHYSICAL PROPERTIES**

- **Color:** black
- **Thermal conductivity:** 0,113 W/m°C
- **Density:** 700 kg/m³
- **Formats Sheets:** 1000 x 1200
- **Resistance to temperature:** -60 +200 °C
- **Thickness:** mm 10, 20, etc.
- **Dynamic stiffness sp. 10 mm:** s’ 45 Mn/m³
- **Dynamic stiffness sp. 20 mm:** s’ 36 Mn/m³

**INSTALLATION**

For walls and partitions: use NDA Koll glue and plastic nogs
For floors: to ground dry under the underfloor reinforced with an arc welded net.
WALL - BAND

MATERIAL
Wall-Band is an agglomeration of vulcanised rubber micro-granules (density 780 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 soundproofing insulation and on acoustic walls insulation.

DIMENSIONS
Product in rolls.
Width: 10, 12, 15, 20, 30 mm, etc.
Width: 3, 4, 5 mm (other on request)
Size tolerance to DIN 7715 part 2.

FIELDS OF APPLICATION
Wall-Band must be installed over the walls in continuity with soundproofing material placed over the rough floor. This product separates walls and floors, preventing acoustical bridges and optimizing footfall soundproofing and sound insulation of partition walls.

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

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

REACTION TO FIRE
Normal flammability

PHYSICAL PROPERTIES
• Material: agglomerated micro-granules of vulcanised rubber
• Density: 780 kg/m³
AKUSTIK® - BORDER

AKUSTIK®-BORDER IS THE ‘L-SHAPED’ BAND TO BE EASILY INSTALLED ON THE PERIMETRICAL WALLS

MATERIAL
Akustik®-Border is made of expanded polyethylene with a “L” shape. This material must be placed between the perimetral wall and the floor to avoid their contact.

DIMENSIONS
L’s dimensions: 100+50 mm
150+50 mm
50 mtl
Thickness: 6 mm

INSTALLATION
Akustik®-Border has a selfadhesive 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.
**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, anthracite in color. Inside it is lines with a high sound absorption thermal insulating layer and, thanks to a special patented system “silent cable”, allows for optimum air flow.

**INSTALLATION**

Zeus® is lightweight and quick and easy to apply as well as free from fibres 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.

**FIELDS OF APPLICATION**

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

**DIMENSIONS**

- cm. 45x34x18
- Inlets diameter: 150 mm
- Length: 13 cm

**PHYSICAL PROPERTIES**

- Soundproof insulation value: Dn2W= 54 dB (certificato)
- Thermal conductivity of the EPS casing: $\lambda = 0.031$ W/mk a 10°C
- Thermal conductivity of the soundproofing material made of melamine resin: $\lambda = 0.035$ W/mk a 10°C
- Air flow: >100 cm²
SMART® 160

THE SMALLEST, INNOVATIVE, FAST AND FUNCTIONAL VENTILATION HOLE MUFFLER

PHYSICAL PROPERTIES
- **External covering:** polistirene espanso EPS
- **Internal covering:** melammina espansa
- **Air flow:** > 100 cm²
- **Shape:** cilindrica esente da angoli < 90°
- **EPS thermal conductivity (10°C):** 0.031 W/mK
- **Expended melamine thermal conductivity (10°C):** 0.035 W/mK
- **Soundproofing:** Dn2w 43 dB

DIMENSIONS
- **Length:** mm 440
- **Diameter:** mm 160

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, anthracite in color with high sound absorption thermal insulating material. The closed cell and waterproof EPS casing allows for an excellent insulation and protective function. The product, thanks to its elasticity, is not affected by industrial vibrations.

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.
AKUSTIK® - METAL SLIK ART. 1

MATERIAL
Combination of two layers of polyester-based polyurethane foam, density 35 kg/m³ 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.

COMPOSITION
Polistirena piano
Polistirena piano

DIMENSIONS
Panels:
1000 x 1000 mm
1000 x 3000 mm
Thickness:
20 - 25 - 30 - 40 mm
Other sizes on request.

POLYURETHANE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER
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 etc. 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.
**SOUND INSULATORS WITH LEAD AND EPDM**

**AKUSTIK® - METAL SLIK ART. 5**

**MATERIAL**

Akustik® k Metal Slik art. 5 is the combination of polyester-based and expanded polyurethane foam (density 35 Kg/m³) and one layer of cross-linked polyethylene foam 3mm thick (density 33 kg/m³), separated by 0.35-0.50 mm lead sheet to absorb medium and low frequencies. Available on request with a protective film.

**COMPOSITION**

![Diagram of the composition](image)

**DIMENSIONS**

- **Width:** mm 2000
- **Length:** mm 1000
- **Thickness:** mm 13 (10+3); mm 23 (20+3)

Other sizes on request.

Size tolerance to M4 DIN 7715 Part 2.

**THE SOUND-ABSORBING PANEL IN RETICULATED POLYETHYLENE AND EXPANDED POLYURETHANE WITH INTERMEDIATE LEAD LAYER**
FIELDS OF APPLICATION

Used for sound insulation of piping where the reflecting power of lead needs to be combined with the absorption power of polyurethane. Insulation of piping, ducts, etc. Whenever protection from external agents such as oil, grease, dust and water etc. is required, the panel can be supplied with a protective film applied to the surface.

INSTALLATION

Place the polyurethane surface over the pipe and fix it with plastic clamps. If necessary, use adhesive NDA Koll on flat or curved surfaces, provided they are free of dust, oil and grease. The product can also be supplied with self-adhesive surface to facilitate application.
AKUSTIK® - METAL SLIK ART. 6

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

COMPOSITION
Three-layer product:
A Layer of reticulated polyethylene foam, approx. 3 mm (anti-vibration)
B Lead from 0.35 to 0.50 mm
C Anti-vibration layer as in A

RETICULATED POLYETHYLENE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE LEAD SHEET LAYER

DIMENSIONS
Length: 3000 mm
Width: 1000 mm
Thickness: 6 mm
Other thicknesses and formats available on request.
Size tolerance to M4 DIN 7715 standard, Part 2.
**FIELDS OF APPLICATION**

Insulation of rooms, engine compartments, piping, floors, partition walls, machinery, conduits in general, etc. 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.

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**REACTION TO FIRE**

On request Class 1 to CSE RF/2/75/A and CSE RF 3/77 standards. DIN 75200 MVSS 302.

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**Surface area of test element = 1.00 m²**

\[ L_1 = \text{mean level of sound pressure in disturbing chamber} \]

\[ L_2 = \text{mean level of sound pressure in disturbed chamber} \]

\[ D = L_1 - L_2 = \text{acoustic insulation} \]

\[ T = \text{mean reverberation time in disturbed chamber} \]

\[ F = 10 \log (S^*T) / (0.15^*V) \]

\[ R = D + F - \text{sound insulation power} \]

Volume of disturbed chamber = 83.00 m²
AKUSTIK® - GPB

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

STANDARD MASS
Thickness about 2 mm
Weight about 4Kg/m²
Thickness about 2.5 mm
Weight about 5.5Kg/m²

DIMENSIONS
Width: 1000 or 1200 mm
Length: 30 or 25 mt
Thickness: approx 2 e 2.5 mm

REACTION TO FIRE
CL 1 on request.
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.

FIELDS OF APPLICATION

Akustik®-GPB, thanks to its high density and its 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.

PHYSICAL PROPERTIES

- **Material:** Inert plasticizer elastomeric-based mix EPDM
- **Density:** 200/210 g/cm³
- **Resistance to temperature:** - 20°C + 120°C
- **Panel size:** rolls
- **Surface appearance:** smooth
- **Basic color:** black
- **Hardness:** 78 ± 5 Shore
- **Resistance to traction:** > 75 N/cm²
- **Thickness allowance:** ± 10%
AKUSTIK® - PLUS

MATERIAL
Akustik®- Plus is the expanded reticulated polyethylene with closed cell structure, combined with a sound insulating 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.

DIMENSIONS
Width: 1000 mm
Length: 5000 mm

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 noise abating material for floating floors (footfalls and transmission of noises from impact); furthermore, it increases the heat-insulating effect of floorings.

COMPOSITION

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 nogs is recommended. Akustik® k Plus can be supplied with one self-adhesive side.
AKUSTIK® - GUM

EXPANDED POLYURETHANE FOAM COBINED WITH AN EPDM LAYER OF 4 KG/M²

DIMENSIONS

Width: 1000 mm  
Length: 2000 mm  
Thickness: 14 mm  

Altri formati su richiesta.  
Size tolerance to DIN 7715 standard, Part 2.

PHYSICAL PROPERTIES

- Resistant to temperatures: from -10 °C to +90 °C  
- Theoretical sound reduction index: Rw = 26.0 Db

COMPOSITION

BILAYER PRODUCT: 

A EPDM 2 mm 4 kg / m² 
B flat polyurethane 12 mm thickness

MATERIAL

Bilayer product achieved by using a layer of polyester-based open cell polyurethane foam, thickness 12 mm (density 35 kg / m³), and a layer of EPDM of 2 mm thickness and a mass of 4 kg / m², for the isolation of low and medium frequencies.

FIELDS OF APPLICATION

Insulation of pipes, engine compartments, partitions, ceilings, machinery, pipes in general, etc.

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 nogs. For an easier installation it can be supplied with an adhesive surface.
AKUSTIK® - GUM SLIK ART. 1

MATERIAL
Akustik® k -Slik Gum consists of a combination of two layers of polyester-based open-cell polyurethane foam, density 35 kg/m³, separated by special charged thermoplastic polymers (EPDM) from 4 to 5,5 Kg/m². Resistant to temperatures from -10°C to +90°C.

DIMENSIONS
Width: 1000 mm
Length: 1000 o 3000 mm
Thickness: 20-25-30 - 40 etc.
Other sizes on request.
Size tolerance to DIN 7715 standard, Part 2.

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. Akustik®-Gum Slik can also be supplied with one self-adhesive side to facilitate application.

PHYSICAL PROPERTIES
- Type of material: open cell polyester-based polyurethane foam
- Density: 35 Kg/m³
- Thermal conductivity coefficient: 0.029 kcal/mh°C
- Resistance to temperature: -10°C to +90°C
- Surface appearance: flat
- Thickness: 20 - 30 - 40 mm etc.
- Panel size: 1000 x 1000 mm (or as requested)
- Basic color: anthracite

COMPOSITION
Composite three-layer product composed of:
A 10 mm thick polyurethane
B 4-5,5 Kg/m² EPDM
C 10 mm thick polyurethane
AKUSTIK® - GUM SLIK ART. 5

RETICULATED 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.

FIELDS OF APPLICATION
Insulation of pipes, engine compartments, partitions, machinery, pipes in general, etc. 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 nogs. For an easier installation it can be supplied with an adhesive surface.

DIMENSIONS
Width: 1000 mm
Length: 2000 mm
Thickness: mm 15 (10+2+3) Other sizes on request.
Size tolerance to DIN 7715 standard, Part 2.

PHYSICAL PROPERTIES
• Resistance to temperature: from - 50 °C to + 110 °C
• Color: available with a protective black film
• Theoretical sound reduction index: Rw = 26.00 dB

COMPOSITION
THREE-LAYER PRODUCT:
A flat polyethylene 3 mm thickness
B EPDM 2 mm 4 kg / m²
C flat polyurethane 10 mm thickness
AKUSTIK® - GUM SLIK ART. 6

MATERIAL
Akustik® Gum Slik art. 6 is a three-layer product made realized 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.

FIELDS OF APPLICATION
Insulation of rooms, engine, pipes, floors, partitions, equipment, ducts in general, etc. Particularly indicated in case of presence of particles of water, oil, etc. 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 nogs. For an easier installation it can be supplied with an adhesive surface.

DIMENSIONS
Width: 1000 mm
Length: 3000 mm
Thickness: 8 mm Other formats on request.
Size tolerance to M4 DIN 7715 Part 2

COMPOSITION
THREE-LAYER PRODUCT:
A flat polyethylene 3 mm thickness
B EPDM 2 mm 4 kg / m²
C flat polyethylene 3 mm thickness

PHYSICAL PROPERTIES
• Color: available with a protective black film
• Theoretical sound reduction index: $R_w = 26.00 \text{ dB}$
AKUSTIK® GUM SOFT

SOUNDPROOF POLYESTER FIBRE PANEL WITH AN EPDM MASS MESH

MATERIAL

Akustik® Gum Soft is the soundproof polyester panel with a soundproof EPDM mass foil mesh of 4 or 5.5 kg/m².

FIELDS OF APPLICATION

Akustik® Gum Soft, thanks to its physical characteristics and fire resistance of the polyester fibre (class 1), 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.

PHYSICAL PROPERTIES

- Polyester fibre density: 30 kg/m²
- EPDM insulation mass: 4 or 5.5 kg/m²
- Temperature resistance: +50°C + 120°C
- Soundproof insulation power (EPDM mass): Rw 26 dB

DIMENSIONS

Width: 600 mm
Length: 1200 mm
Thickness: 40 mm (others upon request)

INSTALLATION

The material presents itself in panels. It can be easily cut and shaped. It 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 bolts. Akustik® Gum Soft can be supplied upon request with an adhesive side to facilitate installation.
AKUSTIK® - METAL FOAM

MATERIAL
Akustik®-Metal Foam is the result of the combination of two polyester-based open cell polyurethane layers with intermediate lead sheet layer (from 0.35 mm to 0.5 mm thick). Density 35 Kg/m³. 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 sound-absorbing 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.

DIMENSIONS
Width: 1000 mm
Length: 1000 o 3000 mm
Thickness: 30 - 40 - 50 - 60 mm
Any other format can be supplied on request. Size tolerance to DIN 7715 Part 2.

PHYSICAL PROPERTIES
- Type of material: open cell polyester-based polyurethane foam
- Density: 35 Kg/m³
- Thermal conductivity coefficient: 0.029 kcal/mh°C
- Soundproof insulation power: 27.5 dB
- Resistance to temperature: -10°C to +90°C
- Surface appearance: specially profiled
- Thickness: 30 - 40 - 50 – 60 mm etc.
- Basic color: anthracite

COMPOSITION
Composite three-layer product
A Profiled polyurethane
B Lead sheet layer from 0.35 to 0.50 mm
C Polyurethane 10 mm thick

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 nogs. Akustik®-Metal Foam can be supplied with one selfadhesive side to facilitate application.

ACOUSTICAL Specially Profiled Product for Sound Insulation and Sound Absorption Made of Expanded Polyurethane with Intermediate Lead Sheet Layer
AKUSTIK® - GUM FOAM

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

PHYSICAL PROPERTIES
- **Type of material:** open cell polyester-based polyurethane foam
- **Density:** 35 Kg/m³
- **Thermal conductivity coefficient:** 0.029 kcal/mh°C
- **Resistance to temperature:** -10°C to +90°C
- **Surface appearance:** profiled
- **Thickness:** 30 - 40 - 60 mm etc.
- **Basic color:** anthracite
- **Theoretical sound reduction index:** Rw = 30.0 dB

MATERIAL
Akustik® Gum Foam is the combination of two open cell polyurethane layers (polyester-based). It has a density of 35 kg/m³, with a EPDM layer variable mass (4 or 5.5 kg/m²); resistant to temperatures from -10°C to +90°C.

FIELDS OF APPLICATION
Akustik® Gum Foam, thanks to its lead sheet layer, is a very good sound-insulating and sound-absorbing product. In fact, its acoustic absorption is increased by its profiled polyurethane. 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 sound absorption is required.

DIMENSIONS
- **Width:** 1000 mm
- **Length:** 1000 - 2000 mm
- **Thickness:** 30 - 40 - 60 mm
Other sizes on request.
Size tolerance to DIN 7715 standard, Part 2.

INSTALLATION
Akustik® Gum Foam, in sheets or in rolls, can be readily 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. The product can also be supplied with a self-adhesive surface for an easier application. For the application to ceilings we recommend the use of specific nogs.
MATERIAL
Light grey Basotect® (BASF) melamine foam. High resistance to temperatures: -60°C to +150°C. In case of fire: non drip, no toxic fume release, non fiber-forming. Isotek-Metal Slik has excellent sound-insulating properties, particularly at low / medium frequencies (100 ÷2000 Hz).

DIMENSIONS
Dimension: mm 1200 x 600
Size tolerance to M4 DIN 7715 standard, Part 2.

FIELDS OF APPLICATION
Used for sound insulating screening in general: soundproofing of rooms, engine and other compartment linings, partition walls, ceilings, machinery garages, etc. Its fire resistant characteristics allow it to be used where special safety features are required, such as factories, theatres, cinemas, military and civilian firing ranges, hotels, auditoriums, multipurpose halls, etc.

COMPOSITION

<table>
<thead>
<tr>
<th>Composite three-layer product</th>
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<tbody>
<tr>
<td>A BASOTECT (BASF) profiled melamine foam 30 mm thick</td>
</tr>
<tr>
<td>B Lead thickness from 0.35 to 0.50 mm</td>
</tr>
<tr>
<td>C BASOTECT (BASF) flat melamine foam 20 mm thick</td>
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Soundproof insulation power:
Rw 29,0 dB

INSTALLATION
Use NDA Koll glue on flat or 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.

REACTION TO FIRE
Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
ISOTEK - METAL FOAM

SOUNDPROOFING BASOTECT® (BASF) PROFILED MELAMINE FOAM PANEL WITH INTERMEDIATE LEAD SHEET LAYER

MATERIAL
Combination of two layers of Basotect (BASF) melamine foam separated by a lead sheet layer 0.5 mm thick Isotek Metal Foam especially absorbs medium and low frequencies (100÷2000 Hz). Resistant to temperatures from -60 °C to +150 °C. In the event of fire this product doesn’t drip, its smokes are non toxic and it doesn’t produce fibres.

DIMENSIONS
Dimensions: 1200 x 600 mm
Thickness: 50 (20+30) mm
Size tolerance to DIN 7715 standard, Part 2.

FIELDS OF APPLICATION
Used for soundproof walls where the reflecting power of lead needs to be combined with the absorption power of Basotect melamine foam. Thanks to its fire resistance Isotek Metal Foam is installed in places where a specific safety is required: factories, theatres, cinemas, firing grounds, hotels, auditorium, etc. It is also used to insulate rooms, engine and other compartment linings, partition walls, ceilings, machinery, garages, etc.

INSTALLATION
Using NDA Koll glue, on flat or curved surfaces, provided they are free of dust, oil and grease. In the case of ceiling application the use of special fixing devices is recommended.

COMPOSITION
Composite three-layer product
- Basotect (BASF) profiled melamine foam 30 mm thick
- Lead thickness from 0.35 to 0.50 mm
- Basotect (BASF) flat melamine foam 20 mm thick

Soundproof insulation power:
Rw 29,0 dB

REACTION TO FIRE
Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
FLAT BASOTECT® (BASF) MELAMINE FOAM SOUND-INSULATING PANEL WITH INTERMEDIATE EPDM LAYER

MATERIAL
Light grey melamine foam (Basotect® - BASF) with intermediate EPDM layer (5.5 Kg/m²). Resistant to temperatures from -60°C to +150°C. Non-drip material, non-toxic smoke. Isotek Gum Slik is an excellent sound insulating material especially as far as low and medium frequencies are concerned (100 ÷ 2000 Hz).

DIMENSIONS
Dimensions: 1200 x 600 mm
Thickness: 20, 30 mm
Size tolerance to DIN 7715 standard, Part 2.

FIELDS OF APPLICATION
Used for the sound insulation of walls where the reflecting power of lead needs to be combined with the absorption power of Basotect melamine foam. Thanks to its fire resistance Isotek Gum Slik is installed in places where a specific safety is required: factories, theatres, cinemas, firing grounds, hotels, auditorium, etc. It is also used to insulate rooms, engine and other compartment linings, partition walls, ceilings, machinery, garages, etc.

COMPOSITION

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<tbody>
<tr>
<td>A</td>
<td>Composite three-layer product</td>
</tr>
<tr>
<td>B</td>
<td>Flat Basotect (BASF) melamine foam 10 mm thick</td>
</tr>
<tr>
<td>C</td>
<td>EPDM 4 or 5.5 kg/m²</td>
</tr>
<tr>
<td></td>
<td>Flat Basotect (BASF) melamine foam 10 mm thick</td>
</tr>
</tbody>
</table>

Soundproof insulation power: Rw 30.0 dB

REACTION TO FIRE
Euroclass C-s1,d0 to UNI EN 13501-1.Class 1 to CSE RF 2/75/A - CSE RF 3/77.
ISOTEK - GUM FOAM

SOUNDPROOFING BASOTECT (BASF) PROFILED MELAMINE FOAM PANEL WITH INTERMEDIATE EPDM LAYER

MATERIAL
Combination of two layers of Basotect (BASF) melamine foam separated by an EPDM layer (5.5 kg/m²), Isotek Gum Foam especially absorbs medium and low frequencies (100÷2000 Hz). Resistant to temperatures from -60 °C to +150 °C. In the event of fire this product doesn’t drip, its smokes are non toxic and it doesn’t produce fibres.

DIMENSIONS
Dimensions: mm 1200 x 600
Thickness: mm 50 (20+30)
Other size on request.
Size tolerance to DIN 7715 standard, Part 2.

FIELDS OF APPLICATION
Used for sound insulating walls where the reflecting power of lead needs to be combined with the absorption power of Basotect melamine foam. Thanks to its fire resistance Isotek Gum Foam is installed in places where a specific safety is required: factories, theatres, cinemas, firing grounds, hotels, auditorium, etc. It is also used to insulate rooms, engine and other compartment linings, partition walls, ceilings, machinery, garages, etc.

COMPOSITION
Composite three-layer product
A Profiled Basotect (BASF) melamine foam
B EPDM 4 or 5,5 kg/m²
C Flat Basotect (BASF) melamine foam

Soundproof insulation power: Rw 30,0 dB

REACTION TO FIRE
Euroclasse C-s1, d0 secondo norma UNI EN 13501-1.
Classe CL1 di reazione al fuoco secondo norma CSE RF 2/75/A - CSE RF 3/77.

INSTALLATION
Using adhesive NDA Koll on flat or curved surfaces provided they are free of dust, oil and grease. For ceiling applications the use of special fixing devices is recommended.
MATERIAL
Open cell flexible polyester-based polyurethane foam, density 35 kg/m³, color anthracite, resistant to temperatures between -10°C and +90°C. Ideal for sound absorption, as well as guaranteeing excellent thermal insulation and consequent energy saving.

DIMENSIONS
SHEET SIZE
Width: 1000 mm
Length: 1000 mm
Thickness: 35 - 50 - 70 - 100 mm
Any other size may be supplied on request.
Size tolerance to DIN 7715 standard, Part 2.

PYRAMID POLYURETHANE ACOUSTICAL FOAM PANEL

STANDARD FORMATS
FIELDS OF APPLICATION

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

INSTALLATION

Akustik®-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 the following adhesives: NDA VILL. The product can also be supplied with self-adhesive surface to facilitate application.

PHYSICAL PROPERTIES

- **Type of material:** soft polyurethane foam type NG 35
- **Density:** 35 Kg/m³
- **Thermal conductivity coefficient:** 0.029 kcal/mh°C
- **Resistance to temperature:** -10°C to +90°C
- **Panel size:** 1000 x 1000 mm (or as requested)
- **Surface appearance:** pyramid
- **Thickness:** 35-50-70-100mm
- **Basic color:** anthracite
ISOTEK - STOP

MATERIAL
Light grey colored melamine resin BASF Basotect® t Foam. High thermal resistance product: -60°C +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Stop has an excellent acoustic absorption, particularly at medium-high frequencies (500÷2000 Hz). Isotek-Stop may be assembled together with sound-insulating barriers such as lead, EPDM, etc. Upon request, it can be painted in all the RAL range colors.

DIMENSIONS
SHEET SIZES
Width: 600 o 1200 mm
Length: 1200 mm
Thickness: 35 - 50 - 70 -100 mm, etc.
Any other size may be supplied on request.

BASOTECT® (BASF) PYRAMID MELAMINE RESIN FOAM
ACOUSTICAL PANEL

STANDARD FORMATS
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, gymnasiuums, 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 VILL glue.

PHYSICAL PROPERTIES

- **Volume mass**: kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection**: kPa DIN 53421 5 - 20
- **Indentation**: N BASF method > 45
- **Maximum tensile stress**: kPa DIN 53571 > 120
- **Elongation at break**: % DIN 53571 > 10
- **40% deformation resistance and compression**: kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C**: W/mK DIN 52612 < 0.035
- **Compression set**
  - 50% - 23°C - 72% % DIN 53572 10 - 30
  - 50% - 70°C - 22° 10 - 20
- **Steam diffusion resistance factor (μ)**: - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz**: % DIN 52215 > 90
- **Flux specific resistance**: kNs/m² DIN 52213 10 - 20
- **Utilisation temperature**: °C - max 150°
- **Cyclic continuous solicitation tolerability**: method OK
- **Reaction to fire**: Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
**MATERIAL**
The profiled Akustik®- Foam panel is made of polyester-based flexible polyurethane foam, color anthracite. 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. Coloring is possible for visible surfaces and with blunted edges of 45° on the four sides.

**DIMENSIONS**
- **Width:** 1000 mm
- **Length:** 1000/2000 mm
  - On request available in rolls.
- **Thickness:** mm 20 - 30 - 40 - 50, ecc.
  - Any other size may be supplied on request.
  - Size tolerance to M4 DIN 7715 standard, Part 2.

**STANDARD FORMATS**
FIELDS OF APPLICATION

Akustik® k-foam is a sound-absorbing 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, sound-proofed cabins, ventilation equipment, etc.

INSTALLATION

Akustik® k-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 the following adhesives: NDA VILL. The product can also be supplied with self-adhesive surface to facilitate application.

PHYSICAL PROPERTIES

- **Type of material:** soft polyurethane foam type NG 35
- **Density:** 35 Kg/m³
- **Thermal conductivity coefficient:** 0.029 kcal/m²h°C
- **Resistance to temperature:** -10°C to +90°C
- **Panel size:** 1000 x 1000 mm (or as requested)
- **Surface appearance:** profiled
- **Thickness:** 20 - 30 - 40 - 50 etc., mm
- **Basic color:** anthracite

Acoustic absorption factors determined to DIN 52212 standard in a large reverberation chamber.
ISOTEK - FOAM

MATERIAL
Light grey BASF Basotec® melamine foam resin. High thermal resistance to +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Foam has an excellent acoustic absorption, particularly at medium-low 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 and with blunted edges of 45° on the four sides.

DIMENSIONS
Width: 1200/600 mm
Length: 600/1200 mm
Thickness: 20 - 30 - 40 - 50 mm, etc.
Any other size may be supplied on request.
Size tolerance to M4 DIN 7715 standard, Part 2.

STANDARD FORMATS

BASOTECT® BASF PROFILED MELAMINE RESIN FOAM ACOUSTICAL PANEL
FIELDS OF APPLICATION

Isotek-Foam is a specific specially profiled sound absorbing product which has excellent absorption properties at medium-low frequencies. Its fire resistant characteristics allow it to be used where special safety features are required, such as factories, theatres, schools, cafeterias, cinemas, discoteques, 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 VILL glue.

PHYSICAL PROPERTIES

- **Volume mass:** kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection:** kPa DIN 53421 5 - 20
- **Indentation:** N BASF method > 45
- **Maximum tensile stress:** kPa DIN 53571 > 120
- **Elongation at break:** % DIN 53571 > 10
- **40% deformation resistance and compression:** kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C:** W/mK DIN 52612 < 0.035
- **Compression set**
  - 50% - 23°C - 72% % DIN 53572 10 - 30
  - 50% - 70°C - 22% 10 - 20
- **Steam diffusion resistance factor (μ):** - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz:** % DIN 52215 > 90
- **Flux specific resistance:** kNs/m² DIN 52213 10 - 20
- **Utilisation temperature:** °C - max 150°
- **Cyclic continuous solicitation tolerability:** method OK
- **Reaction to fire:** Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
MATERIAL
Light grey BASF Basotect® melamine resin foam. High thermal resistance to +150°C. Minimum fume release in the case of fire, far below admissible level; non fiber-forming. Upon request it can be painted in all RAL range colors and with blunted edges of 45° on the four sides.

DIMENSIONS
Width: 625 o 1250 mm
Length: 1250 mm
Thickness: 10 - 20 – 30 mm etc.
Size tolerance to M4 DIN 7715 standard, Part 2.
FIELDS OF APPLICATION

Isotek-Slik is widely used as a thermal and acoustic insulator in conduits, ventilation plant, door and window frame cabinet and engine compartment linings and as absorbent support in hollow ceilings in general wherever it is not possible to use easily or normally flammable products.

REACTION TO FIRE

Euroclass C-s1,d0 to UNI EN 13501-1.
Class 1 to CSE RF 2/75/A - CSE RF 3/77.

PHYSICAL PROPERTIES

- **Volume mass**: kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection**: kPa DIN 53421 5 - 20
- **Indentation**: N BASF method > 45
- **Maximum tensile stress**: kPa DIN 53571 > 120
- **Elongation at break**: % DIN 53571 > 10
- **40% deformation resistance and compression**: kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C**: W/mK DIN 52612 < 0.035
- **Compression set**
  - 50% - 23°C - 72% % DIN 53572 10 - 30
  - 50% - 70°C - 22% 10 - 20
- **Steam diffusion resistance factor (μ)**: - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz**: % DIN 52215 > 90
- **Flux specific resistance**: kN/m² DIN 52213 10 - 20
- **Utilisation temperature**: °C - max 150°
- **Cyclic continuous solicitation tolerability**: method OK
- **Reaction to fire**: Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.

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 VILL glue.
AKUSTIK® - SLIK

MATERIAL
Flexible polyester-based open cell polyurethane foam, density 35 kg/m³, color anthracite, resistant to temperatures from -10°C to +90°C. Highly recommended for soundabsorbing insulation.

Good thermal insulation with consequent energy saving.

DIMENSIONS
ROLLS
1000 mm varying in length according to the thickness.

SHEETS
Width: mm 1000
Length: mm 1000 o 2000
Thickness: 10-20-30-40 mm, etc.

Any other size may be supplied on request.
Size tolerance to M4 DIN 7715 standard, Part 2.

FLAT POLYURETHANE FOAM HEAT AND SOUND INSULATION PANEL
FIELDS OF APPLICATION

Akustik® k-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. The product can be supplied with flat or embossed aluminium film, perforated eco-leather, plastic films, etc. Whenever protection from external agents such as oil, grease, etc. is required, Akustik® k-Slik can be supplied with a protective film.

INSTALLATION

Akustik® k-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 VILL glue.

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

PHYSICAL PROPERTIES

- **Type of material:** soft polyurethane foam type NG 35
- **Density:** 35 Kg/m³
- **Thermal conductivity coefficient:** 0.029 kcal/mh°C
- **Resistance to temperature:** -10°C to +90°C
- **Size sheets:** 1000 x 1000/2000 mm - rolls: width 1000 mm
- **Surface appearance:** flat or embossed finish
- **Thickness:** from 10 mm upward
- **Basic color:** anthracite
**ISOTEK - BAFFLES**

**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 certified and approved CL1, 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.

**DIMENSIONS**

**RECTANGULAR**
- **Width**: mm 500
- **Length**: mm 1200
- **Thickness**: mm 45

**CYLINDRICAL**
- **Width**: mm 600
- **Diameter**: mm 150

Other dimensions available on request.

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

**REACTION TO FIRE**

Euroclass C-s1,d0 to UNI EN 13501-1.

Class 1 to CSE RF 2/75/A - CSE RF 3/77.

**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.
MATERIAL

Isotek Modulo is a white BASF Basotect® melamine resin foam acoustical panel. It is a high thermal resistance product: +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. 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. It can be painted on all RAL range colors, upon request.

DIMENSIONS

Format: 600 x 600 mm

Thickness: 50 mm

Size tolerance to M4 DIN 7715 standard, Part 2.

BASOTECT® (BASF) MELAMINE RESIN MODULAR PANEL FOR GLUING TO CEILINGS OR CEILING METAL STRUCTURE, WITH FLAT OR PATTERNED VISIBLE SURFACE
FIELDS OF APPLICATION

The acoustical panel Isotek Modulo solves acoustics problems due to long resonance times in order to reduce noise peaks and reverberation times. It is therefore used in music recording and dubbing studios, offices, data processing centres, school rooms, gymnasia, main halls in educational institutions, auditoriums, theatres, cinemas, etc. Isotek ceiling modules thus offer a high degree of versatility combined with excellent acoustic properties. They are widely used for sound treatment in which the decorative and architectonic elements must be respected.

REACTION TO FIRE

Euroclass C-s1,d0 to UNI EN 13501-1.
Class 1 to CSE RF 2/75/A - CSE RF 3/77.

PHYSICAL PROPERTIES

- **Volume mass**: kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection**: kPa DIN 53421 5 - 20
- **Indentation**: N BASF method > 45
- **Maximum tensile stress**: kPa DIN 53571 > 120
- **Elongation at break**: % DIN 53571 > 10
- **40% deformation resistance and compression**: kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C**: W/mK DIN 52612 < 0.035
- **Compression set**
  - 50% - 23°C - 72% % DIN 53572 10 - 30
  - 50% - 70°C - 22% 10 - 20
- **Steam diffusion resistance factor (μ)**: - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz**: % DIN 52215 > 90
- **Flux specific resistance**: kNs/m² DIN 52213 10 - 20
- **Utilisation temperature**: °C - max 150°
- **Cyclic continuous solicitation tolerability**: method OK
- **Reaction to fire**: Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
MATERIAL

Isotek Art is a printed insulation panel made with Basotect® foam from BASF, with a low level of melamine resin. Product with a high thermal resistance +150°C, no drip in the event of a fire, it is not fibrogenic. 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: the only limit is your imagination.

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, adhesive NDA VILL, or installed with a wooden or aluminium frame on a rigid support, to be able to move and reposition as a framework.

DIMENSIONS

Width: 600 o 1200 mm
Length: 600 o 1200 mm
Thickness: 40 mm

Dimensional tolerances pursuant to M4 DIN 7715 Point 2.

REACTION TO FIRE

Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.
CUSTOMISABLE MODULAR MELAMINE RESIN SOUND ABSORBING ELEMENTS FOR INSTALLATION ON CEILINGS

DIMENSIONS
1250x625 mm
Thickness: 70 mm

MAXIMUM MEASUREMENTS
2500x1250x500 mm
Dimensional tolerances pursuant to M4 DIN 7715 Point 2.

REACTION TO FIRE
Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.

MATERIAL
Isotek Art is a modular sound absorbing element made with expanded Basotect® from BASF, with a low level of melamine resin. Customisable, thanks to a special “island” application detached from the ceiling, allowing excellent sound absorption. Insulatek provides design, performance and speed of implementation. The extreme lightness (8÷11 kg/m³) 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, no drip in the event of a fire, it is not fibrogenic.

FIELDS OF APPLICATION
Insultek 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. The size of the elements is customizable on demand, as well as coloring.

INSTALLATION
Insulatek is applied suspended from the ceiling, using special included eyelets.
MATERIAL

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

DIMENSIONS

Length: 1000 mm
Dimensions: 420x500 mm
Dimensional tolerances pursuant to M4 DIN 7715 Point 2.

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 by gluing with glue NDA VILL.
LINEABSORBER

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

MATERIAL
Lineabsorber is the sound absorbing technical element made with expanded flexible open-cell-based polyester resin polyurethane, density 35 kg/m³, anthracite color, resistant to temperatures -10°C to +90°C.

The special shape maximizes interior acoustics by reducing the phenomena of reverberation and permitting a multi-band linear absorption.

DIMENSIONS
Length: 1000, 2000 mm
Width: 500 mm
Thickness: 80 mm

Dimensional tolerances pursuant to M4 DIN 7715 Point 2.

FIELDS OF APPLICATION
Lineabsorber is particularly indicated in order to provide greater acoustic linearity in recording studios, television studios, rehearsal rooms, radio stations, etc. Easy and quick to install, can be applied to walls, ceilings or in corners.

INSTALLATION
Lineabsorber is applied by gluing with glue NDA VILL.
INSTALLATION

Very easy to use thanks to its flexibility through NDA VILL glue on every surface, if free from oils, dust, and grease.

The product can also be supplied with one selfadhesive side to facilitate application.

FIELDS OF APPLICATION

The Akustik® k -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.

MATERIAL

Akustik® k - C1 is the agglomeration of rubber and polyurethane with a density of 100 kg/m³ up to 300 kg/m³. It is made by more than 90% of recycled materials and it is 100% recyclable. The Akustik® k -C1 is elastic and transpiring and it can be easily shaped over many different surfaces according to the applications.

DIMENSIONS

Panels: 2000x1000 mm, 1000x1000 mm
Thickness: 10-20-30-40 mm etc.
On request product available in rolls.

SOUND- A BSORBENT, SOUND- INSULATING PANEL MADE OF RUBBER AND POLYURETHANE AGGLOMERATION

Acoustic absorption factors determined in a large reverberation chamber
AKUSTIK® - FIREX

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

DIMENSIONS

Rolls: width mm 1000
Flat panel: thickness mm 5-10-15- 20-25 ecc.
Profiled panel: thickness mm 30.

REACTION TO FIRE

Class 1.

MATERIAL

Akustik® Firex polyurethane foam having undergone impregnation treatment to enhance its already excellent acoustical properties and make it class 1 in reaction to fire. Akustik® k 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® k 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 insulated treatment of walls and ceilings, sound-proof cabins, hollow ceilings, as absorbent panels, etc.

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. The adhesive to be used is NDA VILL. On request the product can be supplied with one self-adhesive side.
**AKUSTIK® SOFT**

**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 in time and it is recyclable. Akustik®-Soft is a class 1 material and its smokes are non toxic. Furthermore Akustik®-Soft can be combined with aluminium or with insulating masses such as lead or EPDM.

**DIMENSIONS**
- **Rolls:** h. 600 or h. 1200
- **Panels:** mm 590x590 mm 1200x600 mm 2000x1000
- **Thickness:** from 10 to 60 mm
- **Density:** from 10 to 60 Kg/m³

Any other size or density can be supplied on request.
PHYSICAL PROPERTIES

- **Sound absorption coefficient** UNI ISO 11654:
  \[ \alpha_w = 0.65 \text{ density } 50 \text{ kg/m}^3, \text{ sp. } 30 \text{ mm} \]
  \[ \alpha_w = 0.75 \text{ density } 30 \text{ kg/m}^3, \text{ sp. } 50 \text{ mm} \]

- **Conduittività termica UNI EN 12667**:
  \[ \lambda = 0.034 \text{ W/mK density } 60 \text{ kg/m}^3 \]
  \[ \lambda = 0.036 \text{ W/mK density } 50 \text{ kg/m}^3 \]
  \[ \lambda = 0.037 \text{ W/mK density } 40 \text{ kg/m}^3 \]
  \[ \lambda = 0.038 \text{ W/mK density } 30 \text{ kg/m}^3 \]
  \[ \lambda = 0.039 \text{ W/mK density } 20 \text{ kg/m}^3 \]

- **Classification of fire reaction**: B s2, d0 EN 13501-1 Class 1 UNI 9177.

- **Determination of the opacity of the smoke and toxicity of gasATS 1000.001 issue 4**: meets the limits

- **Certified ecological and toxicological**: product Oeko Tex Standard 100 Class I

- **Operating temperature**: -40°C +110°C

### REACTION TO FIRE

Euroclass B-s2,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.

### 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 VILL glue.
Akustik® k EP 400 and Akustik® k EP 600 are made of very resistant metal coated with zinc and their high-density rubber mass works as a vibration damper.

Vibration damper to be placed between a plasterboard panel and a brick wall. The side to be screwed on the metallic structure of the plasterboard panel has three holes, so that it can be installed at different distances.

Vibration damper to be placed between two plasterboard walls. This special spacer has holes on both sides, so that it can be screwed on the plasterboard at different distances.
AKUSTIK® - 1/4/RAPID

The anti-vibration support line AKUSTIK® is designed for the suspension of false ceilings and machinery. The AKUSTIK® anti-vibration supports are an essential accessory for the design and construction of false ceilings with a high level of acoustic insulation, given that they avoid the acoustic bridges from traditional suspensions: made with high quality EPDM anti-vibration material (resonance frequency 7-15 Hz), allowing a high level of insulation and anti-vibration effect according to the mass/spring/mass principle.

Metal structure in galvanized metal, ultimate strength over 600 kg.

**AKUSTIK 1**
Suspension with direct ceiling mounting with two stops.
45 Shore optimal load 8-30 Kg

**AKUSTIK 4**
Suspension with direct ceiling mounting with one stop
45 Shore optimal load 8-30 Kg
60 Shore optimal load 25-60 Kg

**AKUSTIK RAPID**
Suspension with direct built in mounting in the guides.
45 Shore optimal load 8-30 Kg
60 Shore optimal load 25-60 Kg
**ACCESSORIES**

**AKUSTIK® - BAND**

**MATERIAL**

Akustik® k-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.

**DIMENSIONS**

**Thickness:** mm 3, 5, 10

**Width:** mm 15, 20, 30, 40, 50, 70, 90, ecc.

**Length:** mt 20 (spess. 3 mm), mt 20 (spess. 5 mm), mt l 15 (spess. 10 mm).

**FIELDS OF APPLICATION**

Akustik® k-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® k-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. Also available double-sided self-adhesive.

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

**PHYSICAL PROPERTIES**

- **Adhesive Acrylic** water-based
- **Color** Grey anthracite
- **Reaction to fire** CL 1 on request
- **Thermal conductivity** $\lambda = 0.035$ WmK
- **Density** 33 Kg/m³
- **Format** Rolls 20 m.
- **Resistance to temperature** - 80° C + 100° C
- **Thickness:** from 3 mm on

**REACTION TO FIRE**

CL 1 on request.
PB - BAND

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

DIMENSIONS
Product in rolls
Width: 10 cm or other on request
Thickness: mm 0.35, 0.50, 1, 2, 3.
Dimensional tolerances pursuant to DIN 7715 Point 2.

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 mm) and variable width in order to obtain a perfect installation for soundproofing and radiation insulation.

REACTION TO FIRE
Not flammability

FIELDS OF APPLICATION
Pb-Band seals junctions between lead-combined plasterboards (Akustik® Gips art.4). It is used especially for radiation insulating installations and thanks to its elevate mass, it is also an excellent soundproofing product.

INSTALLATION
Pb-Band must be placed using NDA Koll glue. On request it can be also supplied with a selfadhesive side.
**MATERIAL**
NDA Koll is the quick setting adhesive, made of synthetic rubbers and resins in a solution of organic solvents. Adhesive produced by the rules in force on the matter.

**CANS**
2/5/20 Kg.

**REACTION TO FIRE**
Flammable, not flammable on request.

**FIELDS OF APPLICATION**
Adhesive for the gluing of lead, rubber with high density, polyurethanes, polyethylene, polystyrene, cork 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.

**THE QUICK SETTING ADHESIVE**

**PHYSICAL PROPERTIES**
- **Color:** Straw-yellow
- **Storage:** 6 months (+10 / +40° C)
- **Resistance to temperature:** -5° + 70° C
- **Viscosity:** 200 mPas Brookfield at 20° C
- **Incidence approx.:** 300 gr/m²
NDA - VILL

SINGLE COMPONENT DISPERSION ADHESIVE READY FOR USE

PHYSICAL PROPERTIES
- **Color:** light beige
- **Ready for use**
- **Working temperature:** between +5 and +35°C
- **Hardening complete:** after approximately 24 hours
- **Incidence:** approx. 450 gr/m²
- **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
- **Danger:** none
- **Product expiry:** 12 months from manufacturing date if correctly stored

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.

CANS
From 12 kg.

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.
GLUE

FORTECEM

MATERIAL
Cement based powder, aggregate materials, synthetic materials, elastics and additives. Water resistant, frost-resistant, elastic for the laying of insulating building materials, such as the special drywall board AKUSTIK® GIPS and FERMA-SOUND. NON-FLAMMABLE MATERIAL

FIELDS OF APPLICATION
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

CEMENT-BASED ADHESIVE, WATER RESISTANT, FROST RESISTANT, FLEXIBLE FOR THE INSTALLATION OF INSULATION BUILDING MATERIALS
CERTIFIED SYSTEMS OF SOUND INSULATION FOR NEW BUILDINGS
SOUND INSULATION WITH MASONRY WALLS AND SUBFLOORING

FIVE STARS WALLS

- **MATTONI FORATO**
  - **ECORUBBER MM 20**
  - **ISOTEK SLIK MM 30**
  - **INTONACO**
  - **WALL BAND**
  - **AKUSTIK**°- BORDER
  - **ECOROLL 5 mm**
  - **RW= 53.5 dB • ΔL= 24.5 dB**

- **WALL BAND**
  - **AKUSTIK**°- BORDER
  - **PHONOSTEP**°
  - **RW= 58 dB • ΔL= 30 dB**

- **WALL BAND**
  - **AKUSTIK**°- BORDER
  - **PAWIPÓ**
  - **RW= 60 dB • ΔL= 32 dB**

- **WALL BAND**
  - **AKUSTIK**°- WOOD
  - **RW= 64 dB • ΔL= 26 dB**
CERTIFIED SYSTEMS OF SOUND INSULATION FOR RENOVATIONS

FIVE STARS WALLS
INSULATION OF CEILINGS

PRODUCT SPECIFICATIONS

The sound insulation of the ceiling will be made as follows:

direct bonding to the ceiling and on the vertical wall in the sunken portion of sound-absorbing material and sound insulating polyurethane foam with lead sheet type AKUSTIK® METAL SLIK Art. 1 of the NDA. The ceiling will be hanging with special anti-vibration mountings type AKUSTIK® 1 of the NDA and the perimeter structure will be sealed with a polyethylene adhesive band type AKUSTIK® BAND NDA. In the cavity of air in support on the metal framework, will be placed a layer of rock wool, thickness 50 mm, density 50 kg / m³ and a layer polyester fiber 50 mm, density 30 kg / m³, the type AKUSTIK® SOFT NDA. The ceiling will be closed with a sheet of plasterboard 13 mm and a special sheet plasterboard coupled to a sheet of EPDM 5.5 kg / m², low elastic modulus, type AKUSTIK® GIPS art. 2 of the NDA.
INSULATION OF THE SYSTEMS

PRODUCT SPECIFICATIONS

Drainage systems will be isolated with the application of the product AKUSTIK® METAL SLIK ART. 5, a panel sound absorption and sound insulation composed of polyurethane foam 10 mm, lead foil 0.35 / 0.50 mm, polyethylene reticulated foam thickness of 3 mm. The part polyurethane foam will be in contact with the tubing. The empty part will filled with sound absorbing material AKUSTIK SOFT thickness 40 mm, density 20 kg / m².
FACADE INSULATION

ISOLATION OF VENTILATION HOLES WITH PRODUCT ZEUS®

Valore di isolamento acustico $D_{nw}$ e $W = 54$ dB (certificato)
Conducibilità termica dell’involvero in EPS = 0,031 W/mk a 10°C
Conducibilità termica del materiale fonoassorbente = 0,035 W/mk a 10°C

ISOLATION OF VENTILATION HOLES WITH PRODUCT SMART 160

Valore di isolamento acustico $D_{nw}$ e $W = 43$ dB (certificato)
Conducibilità termica dell’involvero in EPS = 0,031 W/mk a 10°C
Conducibilità termica del materiale fonoassorbente = 0,035 W/mk a 10°C
The acoustic and thermal insulation of the box of the roller will be realized by the application of three-layer material composed of polyurethane foam 10 mm thick lead foil 0.35 / 0.50 mm, cross-linked polyethylene foam 3 mm thick, type AKUSTIK® METAL SLIK Art. 5 of the NDA.
We hope that the content of this catalog has been supporting the choice and use of the products NDA. The technical department of the NDA is at your available for further information and details of products and construction systems.