SOUND–PROOFING VIBRATION ISOLATION ACOUSTICS

TECHNO SONUS

architectural and construction acoustics

www.technosonus.com
https://izol.stropy-ljubava.cz/
+420 739 210 640

TECHNOSONUS

TechnoSonus Group is one of the leaders in the Russian market of soundproofing, acoustic and vibration isolation technologies.

The scope of the Company's business includes:

- Manufacturing and sale of materials;
- Development of effective noise protection systems;
- Acoustic design;
- Addressing any room and building acoustics challenges;
- Construction and professional installation of soundproofing systems;
- R&D.

TechnoSonus Group has its own production capacities with an area of > 6,000 m2 in Vladimir. It also owns 16 patents of the Russian Federation for inventions and utility models, soundproofing materials and designs developed in collaboration with the Research Institute of Building Physics of the Russian Academy of Architecture and Construction Sciences scientists.

The company is the official distributor of the world-class TEXSA, KRAIBURG, BASF, ROCKFON, ACOSORB brands, is partnering with Russian construction market powerhouses - VOLMA and KNAUF, PAROC, ISOPLAAT, Technonikol.

Over 12 years in business, TechnoSonus Group has launched a number of reliable and high-quality soundproofing materials under the popular trademarks:

- TermoZvukoIzol;
- ZvukoIzol;
- StopZvuk;
- Sonoplat;
- Sonokrep
- AcousticGyps

Decorative acoustics has been also rapidly growing in recent years, currently offering Soundec, Akustiline and Belner panels.

TechnoSonus Group is headquartered in Moscow, with 20 representative offices in the regions of Russia, Kazakhstan and Belarus. By building flexible relations with partners, the company also created an extensive dealer network in the Russian Federation and in the near abroad.

soundproofing
vibration isolation
acoustic design
engineering consulting

SOUNDPROOFING MATERIALS

Tecsound
Sonoplat
Sonoplat Combi
AcousticGyps GKLZ
AcousticGyps M1
AcousticGyps Basic
TermoZvukoIzol
StopZvuk BP
StopZvuk Eco
StopZvuk-M | Zvukoizol
ZvukoIzol VEM
Vibroflor

VIBRATION ISOLATION MATERIALS

Sonokrep EP20 | EP30
Sonokrep Protector | Protector Pro
Vibrafoam | Vibradyn

DECORATIVE ACOUSTIC MATERIALS

Belner
Soundec
Akustiline
SAB Acoustic
Acospray

ACCESSORIES

SOUNDPROOFING MATERIALS

TECSOUND

mineral soundproofing membrane

ultra-thin, high-density, viscoelastic membrane, providing maximum soundproofing even in the low frequency range. A popular soundproofing material based on aragonite, natural mineral, and binding polymers

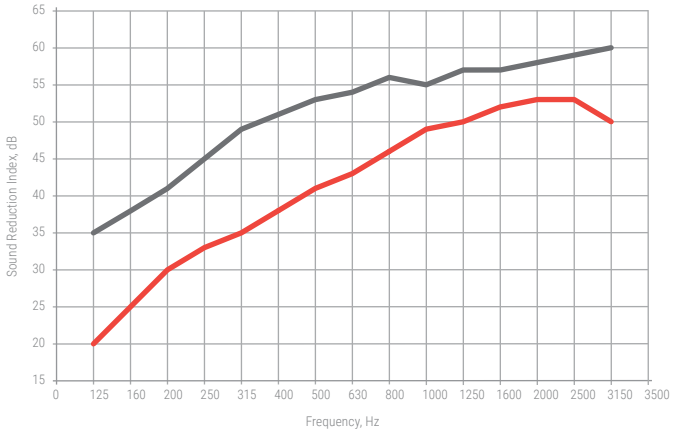
Primary Use
soundproofing walls, ceilings, partitions and equipment

Features
versatility

Composition
natural mineral aragonite;
polymers;
free of bitumen or detrimental impurities

Flammability Class - G1

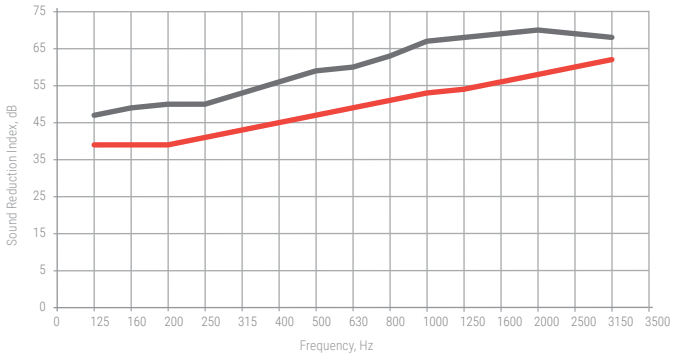
Airborne Sound Reduction Index with Tecsoud 70 Partition



Partition with two gypsum boards on each side filled with sound absorbing material (partition thickness: 99 mm).

Partition with one gypsum board and Tecsound 70 layer on each side filled with sound absorbing material (partition thickness: 83 mm).

Improved reinforced concrete wall sound reduction index with Tecsound sheeting



140 mm thick reinforced concrete wall (calculation according to SP 23-103-2003)

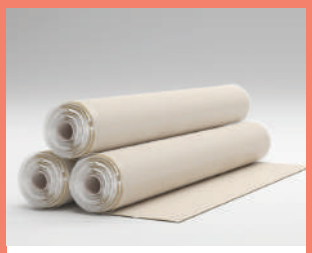
Reinforced concrete wall with Premium soundproofing system (total thickness: 211 mm), consisting of the following materials: Tecsound FT 75, StopZvuk Eco Slim, Tecsound 70, gypsum board.

Facilities

- Sochi Media Center
- State Tretyakov Gallery
- Moscow International Business Center (Moskva-Citi)
- Hotel Ukraina
- Skolkovo Innovation Center
- Lomonosov Moscow State University
- Ren-TV production complex
- Sheremetyevo Cargo Terminal
- Iskra Park Quarter
- Imperial Hotel
- Mercury Tower, etc.

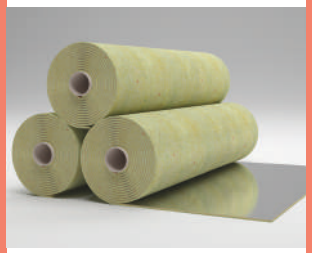
- **Tecsound 35, 50, 70**
- **Tecsound SY 35, SY 50, SY 70 (self-adhesive)**
- **Tecsound FT 55, FT 75, 2 FT 80 (with felt)**
- **Tecsound SY 50 AL, FT 55 AL (with aluminium layer)**
- **Tecsound Band**

SOUNDPROOFING MATERIALS



Tecsound SY

Tecsound 2 FT



Tecsound FT

Specification	Tecsound 70 | SY 70	FT 75	2 FT 80
Airborne sound reduction index, Rw	28 dB	>28 dB	>28 dB
Improved airborne sound insulation, ΔRw	до 18 dB		
Felt average noise reduction coefficient, NRC	–	0,33	
Felt Thermal Conductivity Coefficient, W/m C	–	0,037	
Membrane surface density, kg/m²	6,9		
Membrane density, kg/m³	1900		
Felt density, kg/m³	–	60	
Flammability class	G1	G4	
Dimensions			
Material size (LxW), mm	5000x1220	5500x1200	
Material thickness, mm	3,7	14	24
Material area, m²	6,1	6,6	
Material weight, kg	47	50	56

SONOPLAT

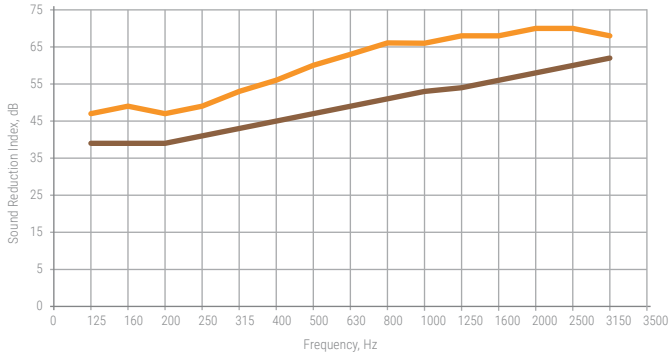
thin soundproofing panel

range of soundproofing panels made from environmentally safe natural raw materials. Used in frame and frameless soundproofing systems in all kinds of premises of different purposes

Primary Use
soundproofing walls, ceilings, partitions and floors

Features
multifunctional solution for soundproofing floors, walls and ceilings;
versatile material that can scatter sound waves and absorb residual sound energy;
saves floor space;
perfect replacement for floating floor;
better performance over comparables;
environmental friendliness

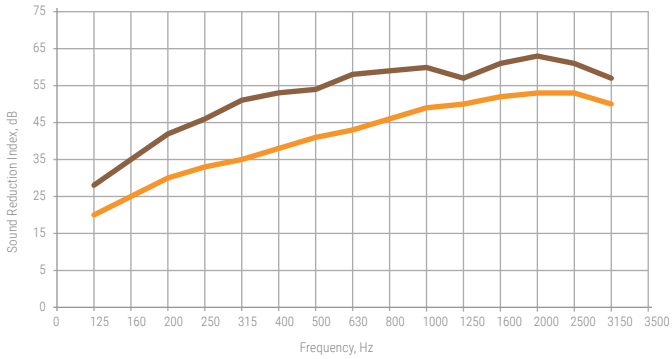
Improved reinforced concrete wall sound reduction index with Sonoplat panelling



140 mm thick reinforced concrete wall (calculation according to SP 23-103-2003)

Reinforced concrete wall with Premium soundproofing system (total thickness: 211 mm), consisting of the following materials: Akustiline Forte, Stopzvuk Eco Slim, Sonoplat, gypsum board.

Airborne Sound Reduction Index with Sonoplat Partition



Partition with two gypsum boards on each side filled with sound absorbing material (partition thickness: 99 mm).

Partition with one gypsum board and Sonoplat layer on each side filled with sound absorbing material (partition thickness: 99 mm).

Composition
multilayer cellulose corrugated frame;
fine quartz filler

- **Sonoplat Standard (1,200 x 600 x 12 mm)**
- **Sonoplat Standard Plus (1,200 x 800 x 12 mm)**

SOUNDPROOFING MATERIALS

Sonoplast Standard

Sonoplast Standard Plus

Specification	Standart	Standart +
Airborne sound reduction index, Rw	38 dB	
Thermal Conductivity Coefficient, W/(m K)	0,17	
Surface density, kg/m²	18,8	
Dimensions		
Panel size (LxW), mm	1200x600	1200x800
Panel thickness, mm	12	
Panel area, m²	0,72	0,96
Panel weight, kg	13	17

SONOPLAT COMBI

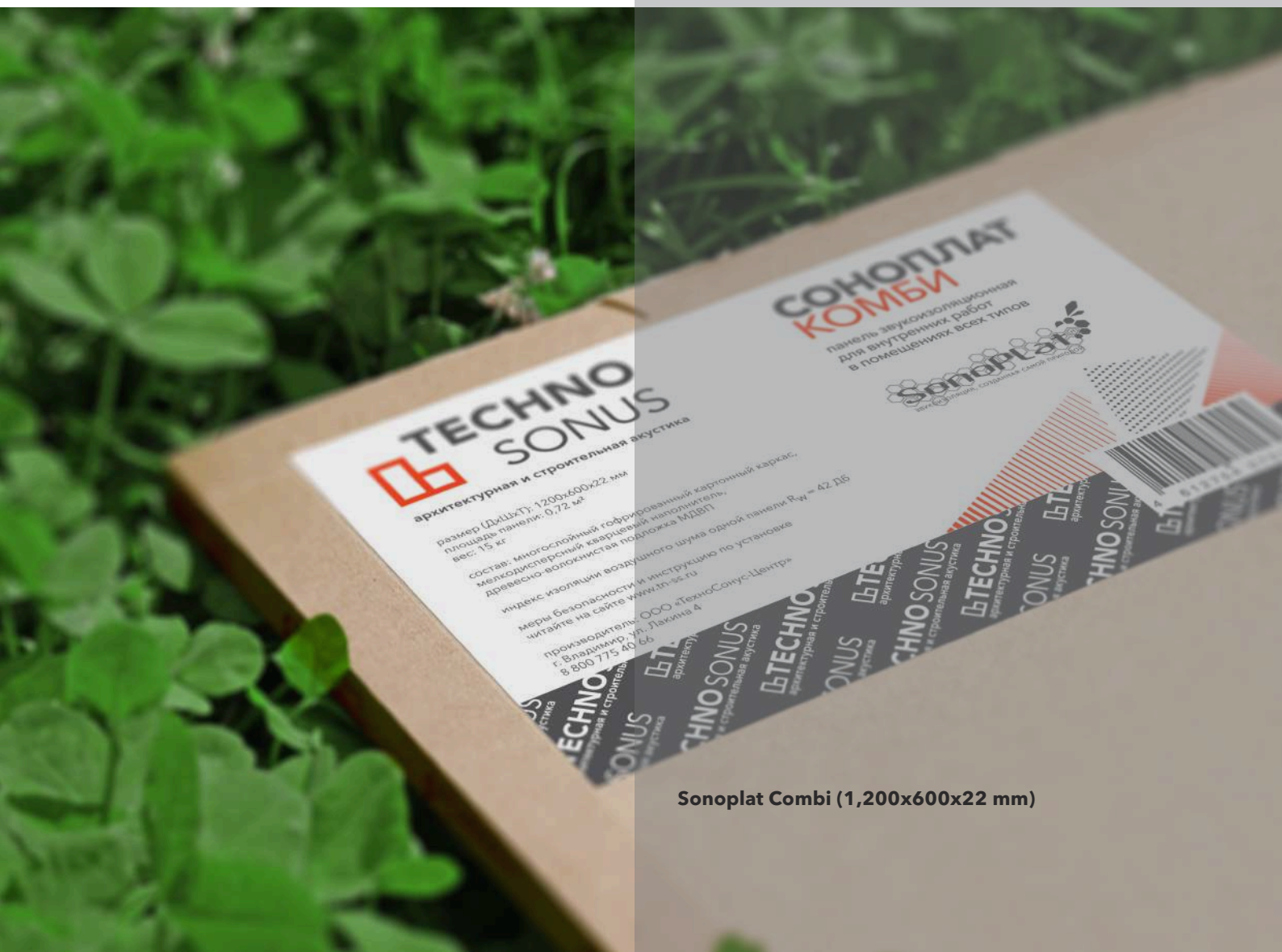
thin soundproofing panel

combined soundproofing panel for thin frameless soundproofing systems. An elastic lightweight base layer in the panel composition allows for mounting it directly on the smoothed surface of insulated walls or floors

Composition
multilayer cellulose corrugated frame;
fine quartz filler;
wood-fiber base layer

Primary Use
soundproofing walls,
partitions and floors

Features
combined and versatile;
eco-friendly;
saves room space;
quick and straightforward installation;
best acoustic performance



Sonoplat Combi (1,200x600x22 mm)

SOUNDPROOFING MATERIALS

Sonoplat Combi

Sonoplat Combi

Specification	Combi
Airborne sound reduction index, Rw	42 dB
Thermal Conductivity Coefficient, W/(m K)	0,17
Surface density, kg/m²	20,8
Dimensions	
Panel size (LxW), mm	1200x600
Panel thickness, mm	22
Panel area, m²	0,72
Panel weight, kg	15

ACOUSTICGYPS GKLZ

high-density gypsum boards

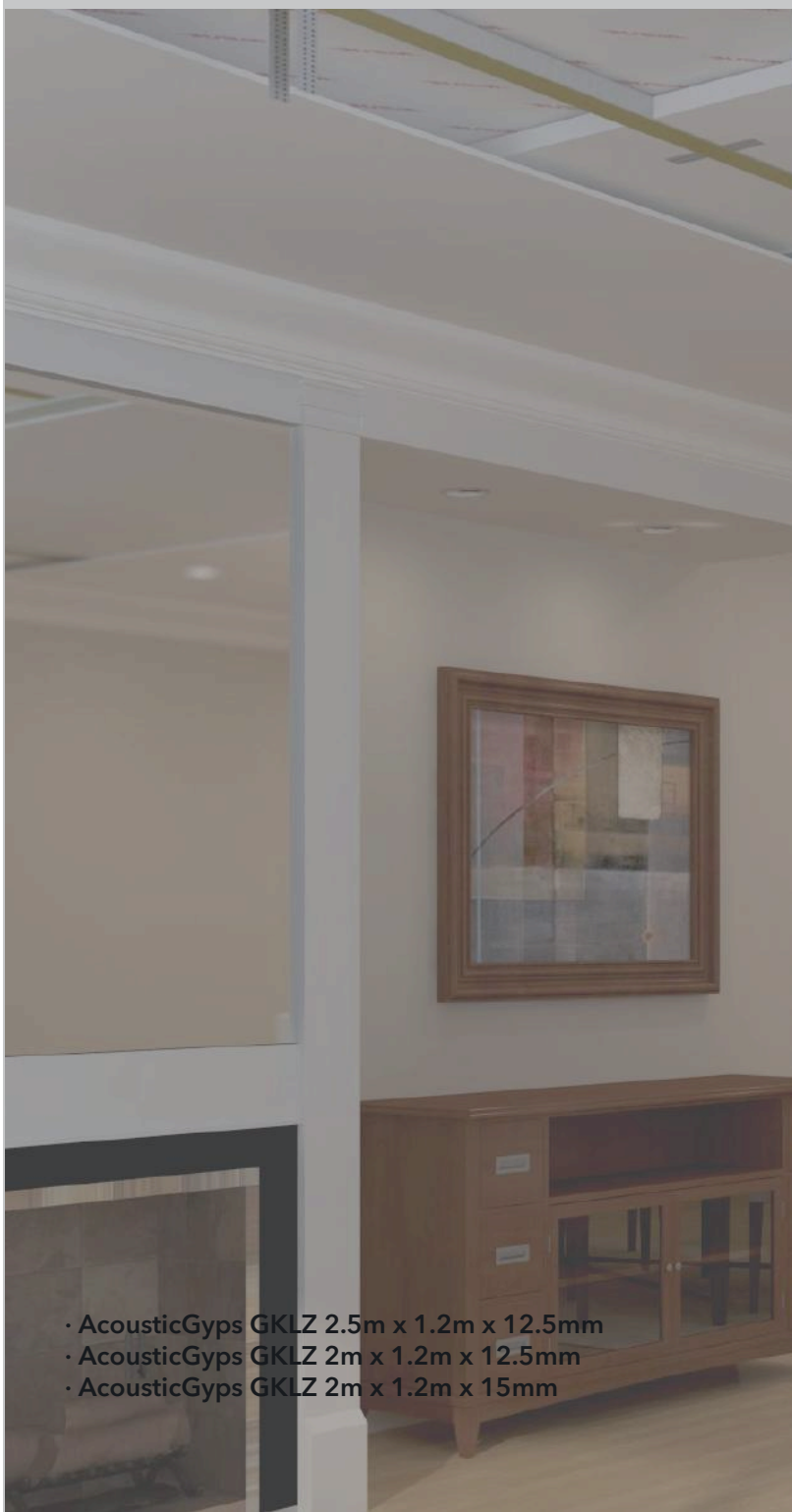
special fiberglass-reinforced high-density soundproofing gypsum board. Particularly durable, has excellent soundproofing qualities and a high fire resistance

Primary Use
any sheathed framed walls, ceilings and partitions

Features
high soundproofing performance with low thickness

Composition
high-density gypsum;
cardboard facing sheets;
fiberglass

Flammability Class - G1



· AcousticGyps GKLZ 2.5m x 1.2m x 12.5mm
· AcousticGyps GKLZ 2m x 1.2m x 12.5mm
· AcousticGyps GKLZ 2m x 1.2m x 15mm

SOUNDPROOFING MATERIALS

AcousticGyps GKLZ

Qualifies as premium building and finishing material. Outperforms similar materials. It is moisture resistant, soundproof, fireproof and has reinforced properties

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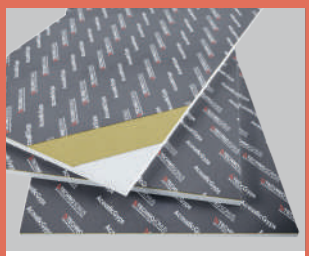
composite soundproofing panel
ACOUSTICGYPS M1



AcousticGyps M1

composite soundproofing panel with the best noise protection properties existed. Consists of a reinforced high-density gypsum board and a viscoelastic membrane. Provides effective soundproofing in any sheathed framed partitions, walls and ceilings

Primary Use
walls, ceilings, partitions

Features
fast, clean and easy installation;
mixed material;
multi functional soundproofing solution;
saves floor space;
eco-friendly material;
best acoustic performance with low thickness;
more cost-effective over comparables

Composition
high-density soundproofing gypsum board;
viscoelastic polymer mineral membrane;
perforated nonwoven sheath

Flammability Class - G1

· AcousticGyps M1, 1,200 mm x 500 mm x 17 mm
· AcousticGyps M1, 1,200 mm x 590 mm x 17 mm

SOUNDPROOFING MATERIALS

AcousticGyps M1 panel has several layers for efficient airborne noise insulation, vibration suppression and reduction of the negative impact of spatial resonance, while the thickness of the system can be minimal. The panel consists of a high-density reinforced gypsum board and a viscoelastic membrane. The layers are combined in such a way that the panel itself damps sound and improves the soundproofing properties of adjacent materials. It is suitable for all types of premises

thin soundproofing sandwich panel
ACOUSTICGYPS BASIC

AcousticGyps M1 panel has several layers for efficient airborne noise insulation, vibration suppression and reduction of the negative impact of spatial resonance, while the thickness of the system can be minimal. The panel consists of a high-density reinforced gypsum board and a viscoelastic membrane. The layers are combined in such a way that the panel itself damps sound and improves the soundproofing properties of adjacent materials. It is suitable for all types of premises

Primary Use
walls, ceilings

Composition
20 mm gypsum fiber board (with folding offset for joining);
20 mm staple fiberglass board or 50 mm basalt board with a density of 45 kg/m²

Features
fast, clean and easy installation;
mixed material;
multi functional soundproofing solution;
saves floor space;
eco-friendly material;
best acoustic performance with low thickness;
more cost-effective over comparables

· AcousticGyps Basic 40, 1,200 mm x 600 mm x 40 mm
· AcousticGyps Basic 70, 1,200 mm x 600 mm x 70 mm

SOUNDPROOFING MATERIALS

AcousticGyps Basic 40

AcousticGyps Basic 70

Used to improve the soundproofing performance of walls and ceilings. Particularly relevant for cinder block walls, gypsum plaster board walls and walls made of similar blocks of low thickness (80 -120 mm)

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TERMOZVUKOIZOL
sound and shock absorbing pad

mechanically pressed fiberglass cloth sealed in a protective spunbond shell. Versatile and multifunctional material with shock and sound absorbing properties

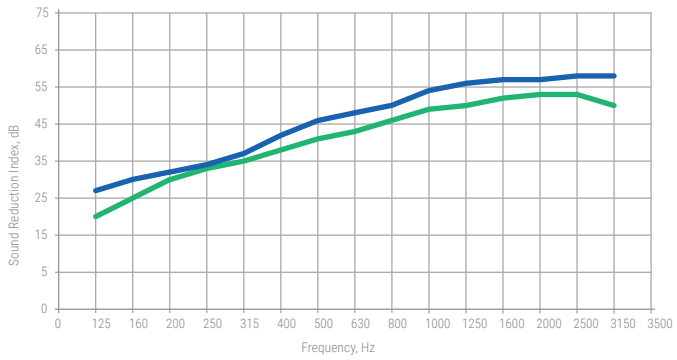
Primary Use
under screed sound insulation, soundproofing walls and ceilings

Features
high performance at a low price

Composition
needlled fiberglass (IPS-T); protective spunbond shell

Flammability Class - G1

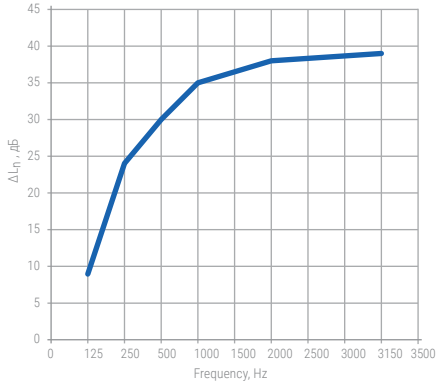
Airborne Sound Reduction Index with TermoZvukoIzol Partition



Partition with two gypsum boards on each side filled with sound absorbing material (partition thickness: 99 mm)

Partition with two gypsum boards and TermoZvukoIzol layer on each side filled with sound absorbing material (partition thickness: 102 mm)

Impact Sound Reduction



TermoZvukoIzol (under 80-100 kg/m2 screed)

- **TermoZvukoIzol Standard (10,000 x 1,500 x 14 mm)**
- **TermoZvukoIzol Light (10,000 x 1,500 x 10 mm)**
- **TermoZvukoIzol Forte (5,000 x 1,500 x 12 mm)**
- **TermoZvukoIzol Fireproof (5,000 x 1,500 x 12 mm)**

SOUNDPROOFING MATERIALS

TermoZvukoIzol Standard

TermoZvukoIzol Light

TermoZvukoIzol Forte

TermoZvukoIzol Fireproof

Specification	TermoZvukoIzol
Impact Sound Insulation Improvement Index, ΔL_{nw}	28-31dB
Thermal Conductivity Coefficient λ, W/(m K)	0,0333
Surface density, kg/m²	1,46
Density, kg/m³	136
Elasticity, kPa	600
Recovery, %	90
Rate of Heat Absorption S, W/(m² K)	3,97
Compression Strain, mm	2,3
Flammability class	G1

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STOPZVUK BP

basalt fiber sound absorbing panels

basalt fiber panels used for soundproofing and thermal insulation. StopZvuk BP's points of difference are the optimally selected density and high mechanical strength driven by at least 90% natural basalt content and increased length of basalt fibers. It is a non-combustible and eco-friendly material, does not decay or shrink

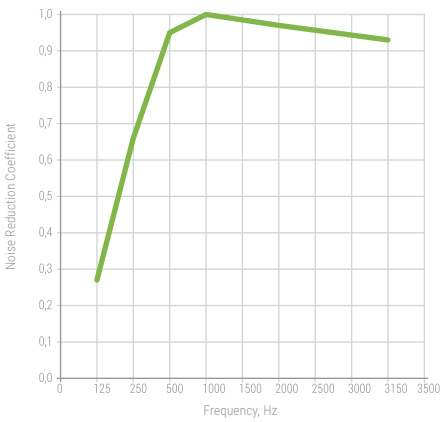
Primary Use
soundproofing walls, ceilings, partitions and floors, under screed sound insulation (StopZvuk BP Floor)

Features
high sound absorption;
high impact sound reduction (StopZvuk BP Floor)

Composition
basalt fiber, fiberglass cloth (in StopZvuk BP Premium modification)

Flammability Class - NG

Noise Reduction Coefficient Response

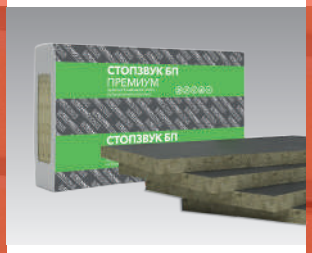


50 mm thick StopZvuk BP

- **StopZvuk BP Standard (45 kg/m³ density)**
- **StopZvuk BP Premium (60 kg/m³ density)**
- **StopZvuk BP Prime (65 kg/m³ density)**
- **StopZvuk BP Floor (110 kg/m³ density)**

SOUNDPROOFING MATERIALS

StopZvuk BP Standard



StopZvuk BP Premium

StopZvuk BP Prime

StopZvuk BP Floor

Specification	Standard	Premium	Prime	Floor
Under Screed Impact Sound Reduction ΔL_{nw}	-	-	-	34
Average Noise Reduction Coefficient, NRC	0,9	0,95	0,8	-
Density, kg/m³	45	60	65	110
Thermal Conductivity Coefficient λ, W/(m K)	0,035			
Water Absorption, kg/m³	≤ 1			
Water Absorption by Full Immersion, volume %	≤ 1,5			
Acidity Index, pH	≥ 2,0			
Flammability class	НГ			
Dimensions				
Material size (LxW), mm	1200x600	1000x600	1000x600	1200x600
Material thickness, mm	50		27	20
Packing Quantity, pcs	4		8	8
Material Area in the Package, m²	2,8	2,4	4,8	5,76
Material Weight in the Package, kg	5,4	7,2	8,5	13

STOPZVUK ECO

polyester fiber sound absorbing panels

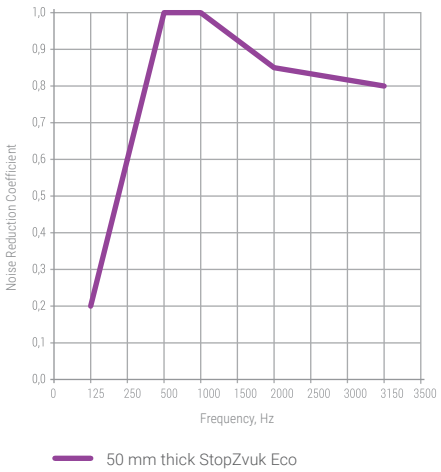
thermal and sound insulating panels based on polyester (synthetic) fiber. Such fiber is absolutely harmless, does not emit prickly dust that causes itching, does not decay and is not affected by fungus

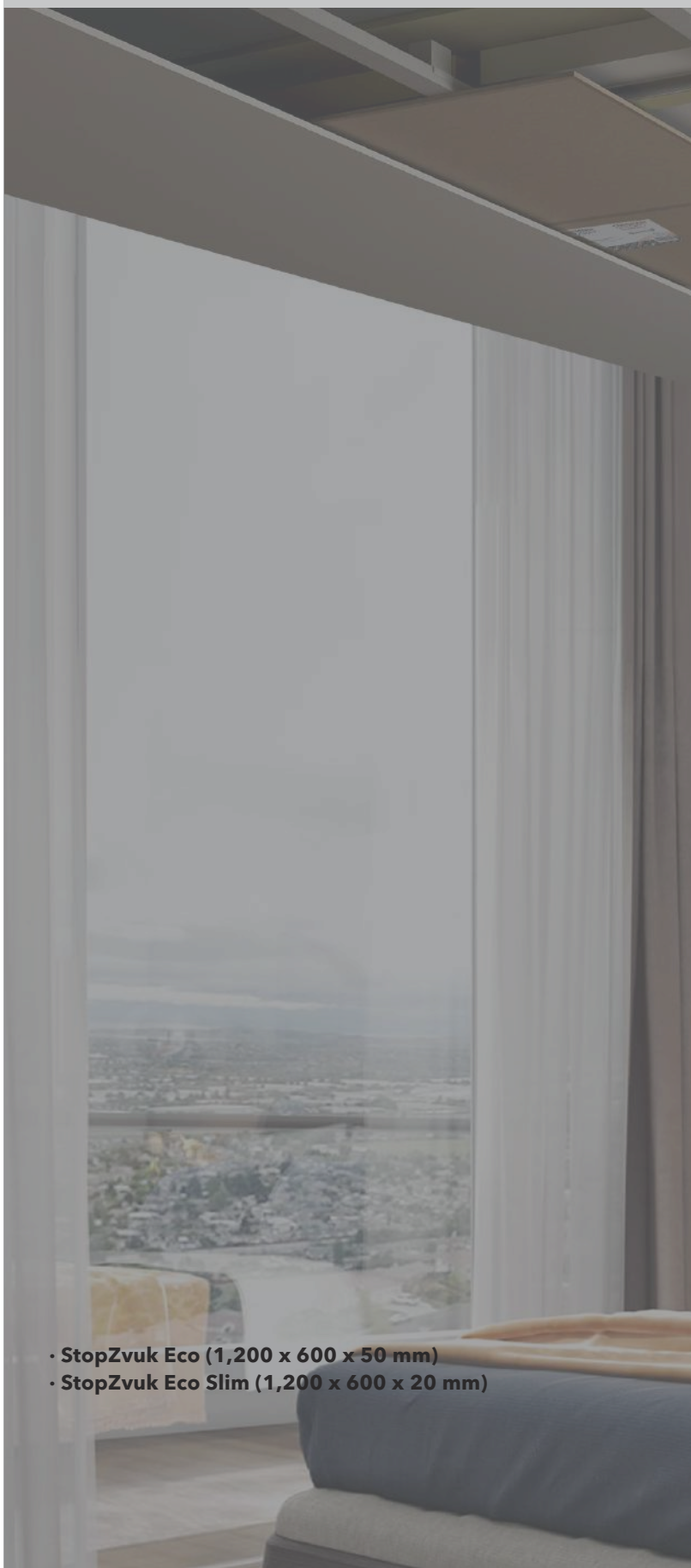
Primary Use
soundproofing walls, ceilings and partitions

Features
free of phenol formaldehyde binding agents; hypoallergenic

Composition
polyester (synthetic) fiber

Noise Reduction Coefficient Response





- **StopZvuk Eco (1,200 x 600 x 50 mm)**
- **StopZvuk Eco Slim (1,200 x 600 x 20 mm)**

SOUNDPROOFING MATERIALS

StopZvuk Eco

StopZvuk Eco Slim

Specification	ECO	ECO Slim
Average Noise Reduction Coefficient, NRC	0,85	0,75
Density, kg/m³	18-21	40-42
Surface density, kg/m²	1000	800
Thermal Conductivity Coefficient λ, W/(m K)	0,035	
Thermal Resistivity of One Layer, W/m°C	1,43	0,035
Dimensions		
Material size (LxW), mm	1200x600	
Material thickness, mm	50	20
Packing Quantity, pcs	6	15
Material Area in the Package, m²	4,32	10,8
Material Weight in the Package, kg	5	8

polymer bitumen membrane

STOPZVUK-M

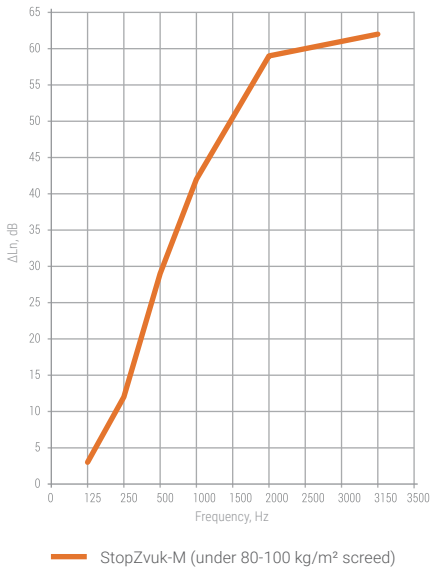
two-layer rolled material consisting of a polymer bitumen membrane with a layer of polyester fiber. Used as a cushioning waterproofing and soundproofing layer in floating floors

Primary Use
under screed sound insulation

Features
it has a high specific gravity resulting in improved insulation in all frequency ranges. Mainly used in floating floors as a cushioning waterproofing and soundproofing layer.
Has an overlap strip for joining

Composition
polymer bitumen coating;
polyester fiber layer;
protective film

Impact Sound Reduction



ZVUKOIZOL GIDRO

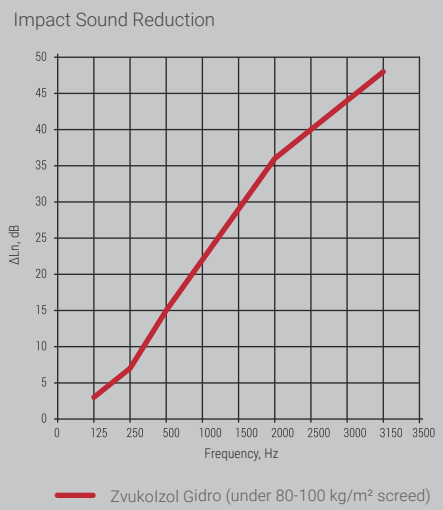
two-layer rolled material consisting of a polymer bitumen membrane and non-cross-linked polyethylene foam. To be put under at least 4 cm thick reinforced screed, provides a solid waterproof layer and reduces impact sound

Primary Use
under screed sound insulation

Features
mainly used in floating floors as a cushioning waterproofing and soundproofing layer. Used together with Zvukoizol tape for joining

Composition
polymer modified bitumen coating;
non-cross-linked polyethylene foam;
protective film

Impact Sound Reduction

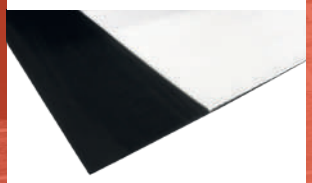


SOUNDPROOFING MATERIALS

Zvukoizol Gidro

Joining tape

Stopzvuk-M



Joining strip

Specification	Zvukoizol Gidro	Stopzvuk-M
Impact Sound Insulation Improvement Index, ΔL_{nw}	27 dB	27 dB
Thermal Conductivity Coefficient λ, W/(m K)	0,038	0,038
Rate of Heat Absorption, W/m² °C	≤ 8,5	≤ 8,5
Water Absorption @ 24 hours, %	≤ 1	≤ 1
Water Resistant at 0.2 MPa for 2 hours	соотв.	соотв.
Water Resistant at 0.2 MPa for 2 hours	≤ 0,7	≤ 0,7
Dimensions		
Material size (LxW), mm	15000x1000	10000x1000
Material thickness, mm	4,5	4,5
Material Area in the Package, m²	15	10
Roll weight, kg	≈ 30	≈ 25
** with a 40 mm thick screed*		

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ZVUKOIZOL VEM

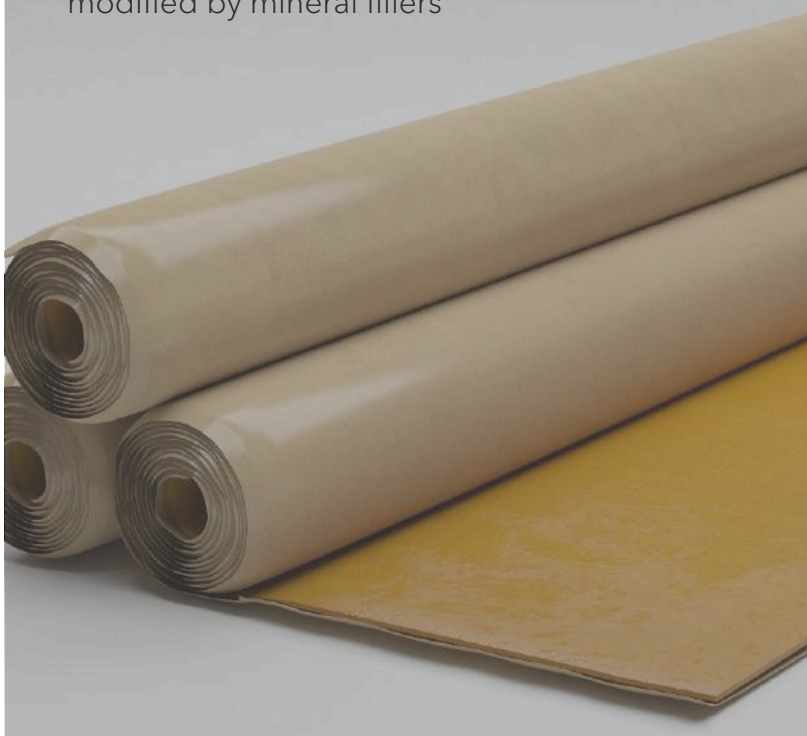
heavy soundproofing membrane

thin high-mass soundproofing membrane. Provides effective soundproofing with minimal loss of usable area. The membrane consists of a complex polymer compound modified by a mineral filler, contributing to the material's higher mass and elasticity. Used in low-rise frame construction, industrial and production premises, apartments

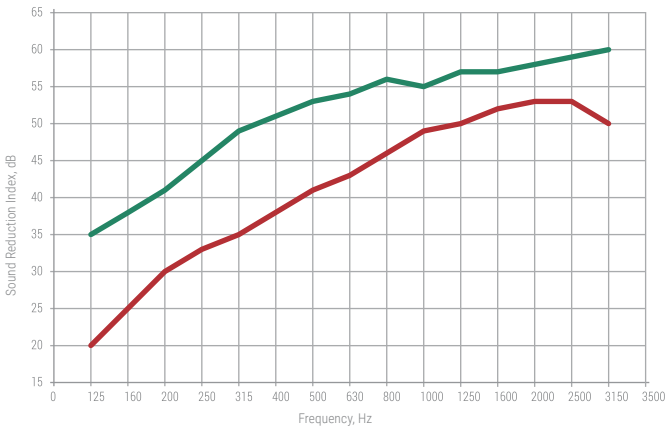
Primary Use
soundproofing walls, ceilings, partitions, floors and equipment

Features
suitable for all types of surfaces and can be used in various premises: residential apartments, bars, restaurants, swimming pools, as well as industrial and production premises

Composition
complex polymer compound modified by mineral fillers



Airborne Sound Reduction Index with TermoZvukoIzol Partition

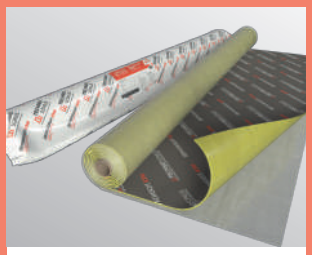


Partition with two gypsum boards on each side filled with sound absorbing material (partition thickness: 99 mm)

Partition with two gypsum boards and TermoZvukoIzol layer on each side filled with sound absorbing material (partition thickness: 102 mm)

- **Zvukoizol VEM, 2 mm thick**
- **Zvukoizol VEM, 4 mm thick**
- **Zvukoizol VEM smk, 2 mm thick (self-adhesive)**
- **Zvukoizol VEM smk, 4 mm thick (self-adhesive)**

SOUNDPROOFING MATERIALS



Zvukoizol VEM

Specification	2 mm	4 mm
Own Insulation Index, R_w	26 - 28 dB	26 - 28 dB
Insulation Improvement Index, ΔR_w	до 18 dB	до 18 dB
Density, kg/m³	1800	1800
Surface density, kg/m²	3,7	7,4
Tensile Strength, N/cm²	31	31
Compression Strength, kg/cm²	4,92	4,92
Tensile Elongation at Break, %	300	300
Elasticity Retention, °C	< -25	< -25
Dimensions		
Material size (LxW), mm	2500x1200	2500x1200
Material thickness, mm	2	4
Material Area in the Package, m²	3	3
Roll weight, kg	12	24

VIBROFLOR

thin polyester underlay

consists of polyester fiber of primary treatment and does not contain any binding additives, making it absolutely safe for humans. Used to reduce the impact sound under the floor slab, in residential and public premises, and is also used as a flooring underlay

Primary Use

vibration and sound absorbing pad for floating floors made of lightweight materials such as laminate, parquet, etc.

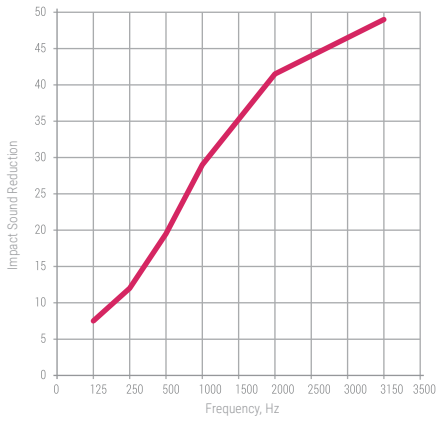
Features

high performance at a low price

Composition

non-woven thin elastic cloth made of polyester fiber of primary treatment, free of binding additives

Noise Reduction Coefficient Response

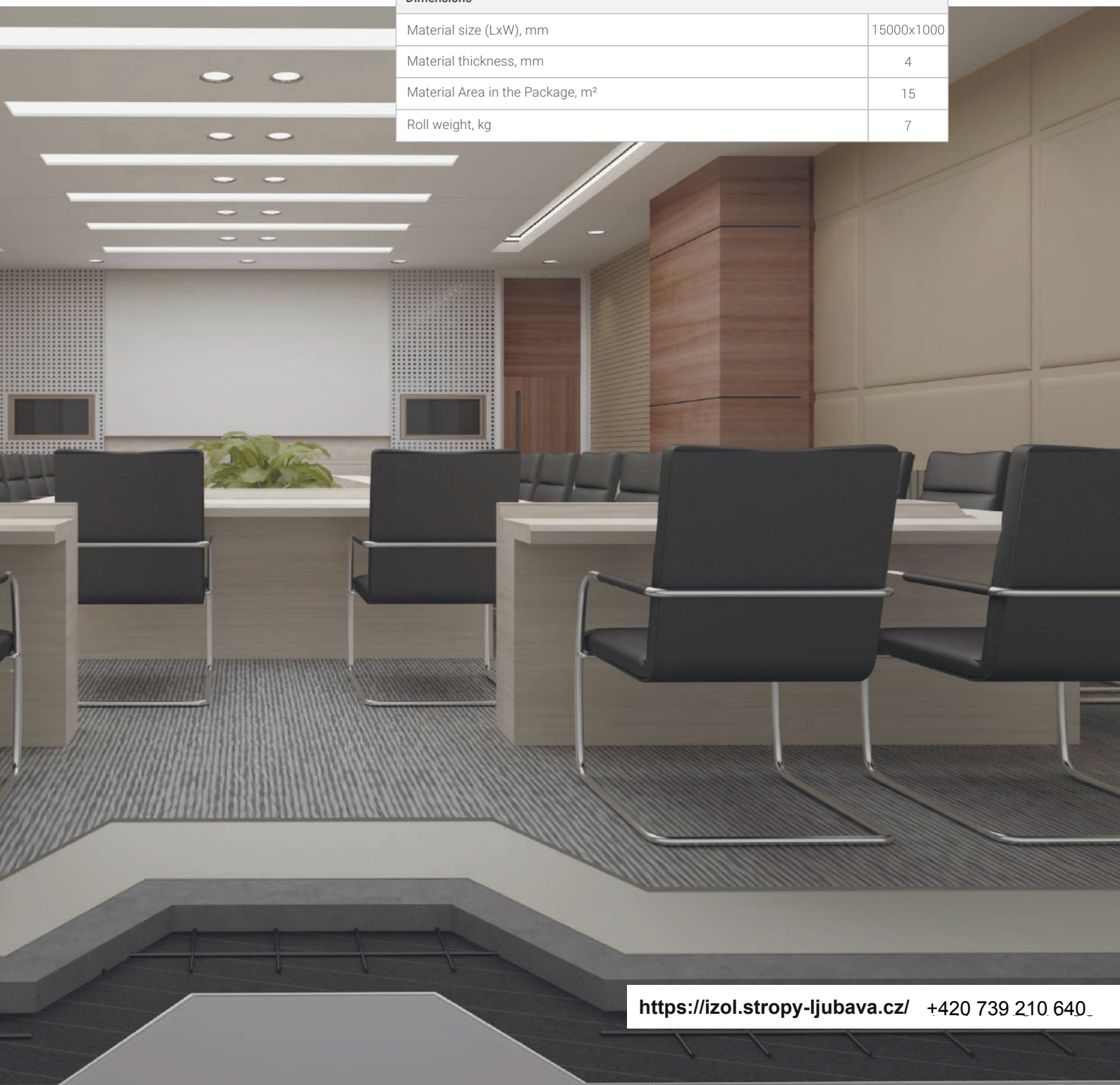


· **Vibroflor 15 m x 1 m x 4 mm**

SOUNDPROOFING MATERIALS

Vibroflor

Specification	4 mm
Impact Sound Insulation Improvement Index under 40 mm screed with 100 kg/m³ surface density, ΔL_{nw}	23 dB
Impact Sound Insulation Improvement Index by 15 mm thick floating parquet floor, ΔL_{nw}	18 dB
Impact Sound Insulation Improvement Index by 6 mm thick floating laminate floor, ΔL_{nw}	21 dB
Thermal Conductivity Coefficient λ, W/(m K)	0,036
Surface density, kg/m²	0,3
F0 Force at Rupture (length and width), N	≥ 780
Dimensions	
Material size (LxW), mm	15000x1000
Material thickness, mm	4
Material Area in the Package, m²	15
Roll weight, kg	7



VIBRATION ISOLATION MATERIALS

vibration isolation hangers

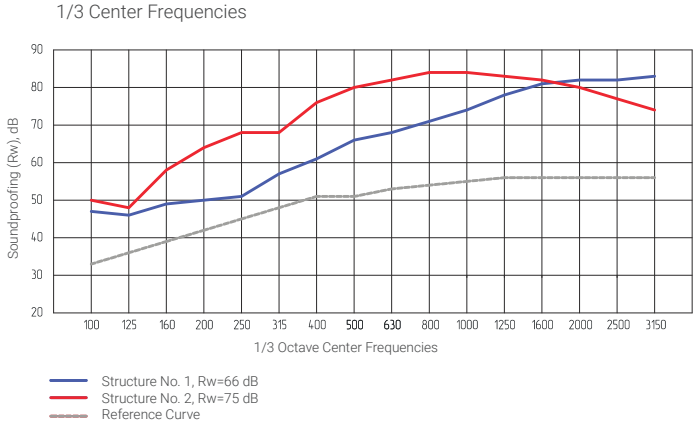
SONOKREP EP20 | EP30

anti-vibration fasteners used in soundproofing systems for shock absorption and deadening vibration in profiled structures. Perfect for reducing low-frequency noise and vibrations in suspended ceilings, whereby the soundproofing system with Sonokrep EP hangers suspensions can suppress structure-borne noise and impact sound penetrating the floor slab from the upper floors

Primary Use
frame structures of walls and ceilings, any suspended structures

Features
easy to install and do not require special skills

Composition
polyurethane elastomer;
steel frame;
independent straight hanger for 27x60 mm metal profile



SONOKREP M6

all-purpose professional vibration isolation support. Used in complex suspended ceiling systems with gypsum cladding (the fixing stud can be extended by several meters), and to fix suspended utilities and various vibrating devices (air conditioners, blowers, ventilation systems, etc.)

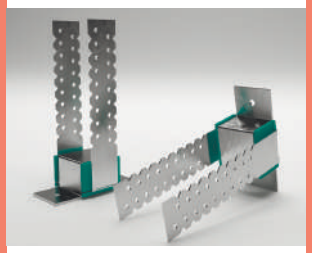
Primary Use
soundproofing ceilings, suspended utilities, ventilation ducts, utility pipelines

Features
used in complex suspended ceiling systems with gypsum cladding, allowing for a 50 mm to several meters setback for any utilities located on the ceiling

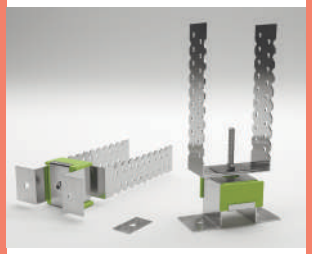
Composition
polyurethane elastomer;
steel frame;
M6 nut plate

VIBRATION ISOLATION MATERIALS

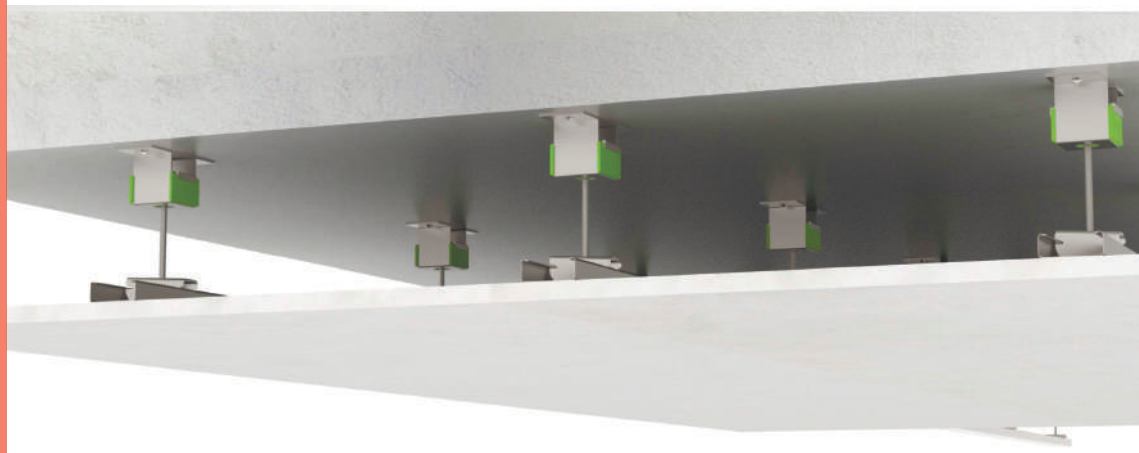
Sonokrep EP20

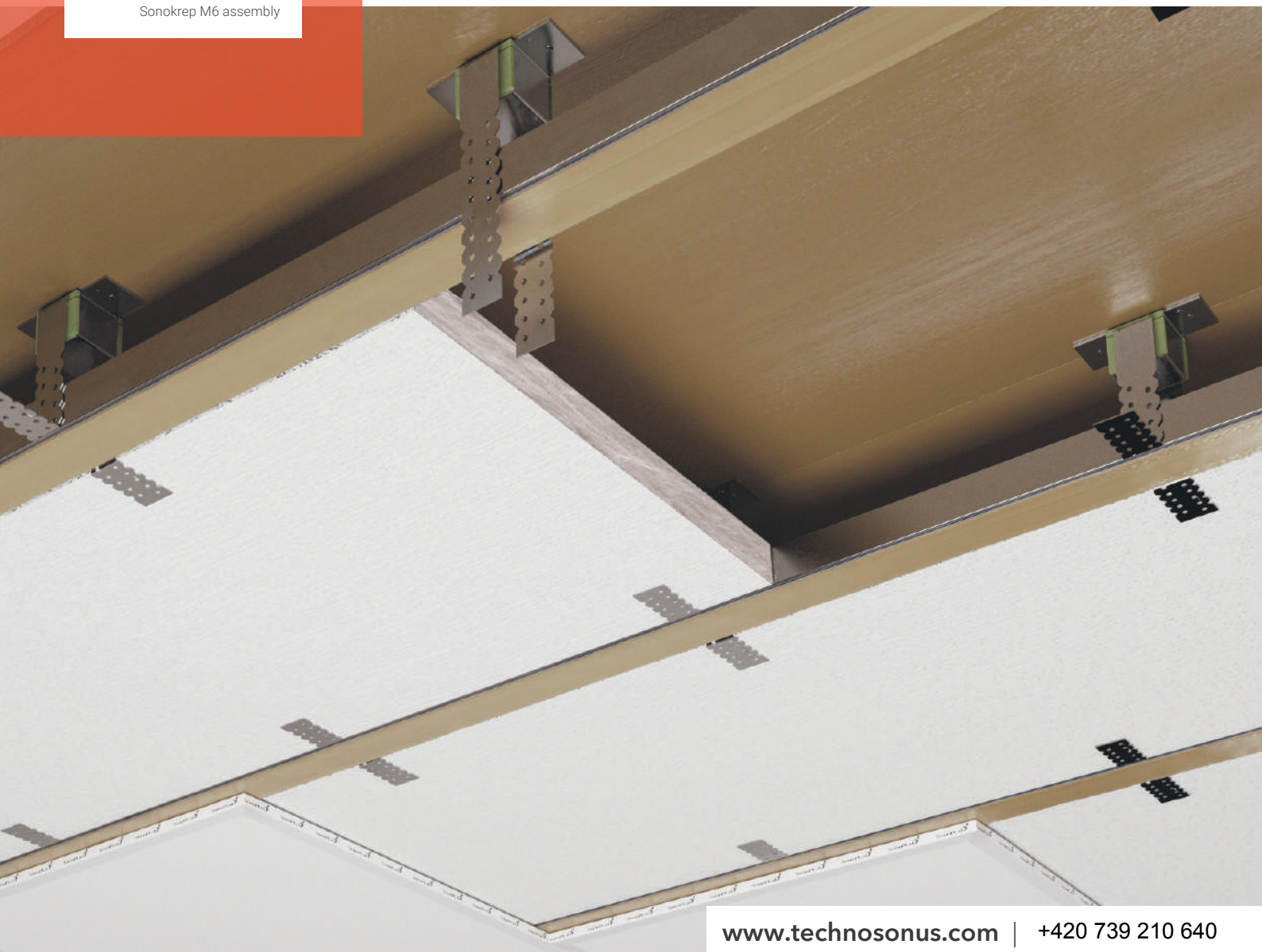


Sonokrep E30



Sonokrep M6 assembly





vibration isolation hangers

SONOKREP PROTECTOR

straight vibration isolation hanger with rubber elastomer. Used in profiled structures. Given its high reliability and low price, it is the most common fastener for fastening a steel frame to the base

Primary Use
frame structures of walls and ceilings, any suspended structures

Features
analogous to professional hangers, used in any premises and does not require special installation skills

Composition
independent straight hanger for 27x60 mm metal profile; rubber elastomer

SONOKREP PROTECTOR PRO

improved ceiling and wall vibration isolation hanger with rubber elastomer. Used for soundproofing using frame structures and suspended systems of ceilings and partitions. Improved and strong design allows for using the hanger on any base, maximizes the ease and speed of installation. The hanger includes a special rubber elastomer to reduce vibration and impact sound transmission through the structure

Primary Use
frame structures of walls and ceilings, any suspended structures

Features
high performance,
easy installation,
reliability

Composition
independent straight hanger for 27x60 mm metal profile; special rubber elastomer

VIBRATION ISOLATION MATERIALS

Sonokrep Protektor

Sonoclip Protektor Pro

The updated Sonokrep Protektor model has a higher safety factor. Unlike the previous version, the model is equipped with an absolutely flat ergonomic round elastomer. This results in bigger contact area with the mounted surface, so the hanger bears against it

polyurethane elastomer

VIBRAFOAM VIBRADYN

polyurethane elastomer manufactured by KRAIBURG PuraSys GmbH & Co. KG (Germany), used as an elastic element for vibration isolation of utilities, building foundations, railing, floating floor structures, etc. This material has been holding leading European market position for over 20 years.

Primary Use

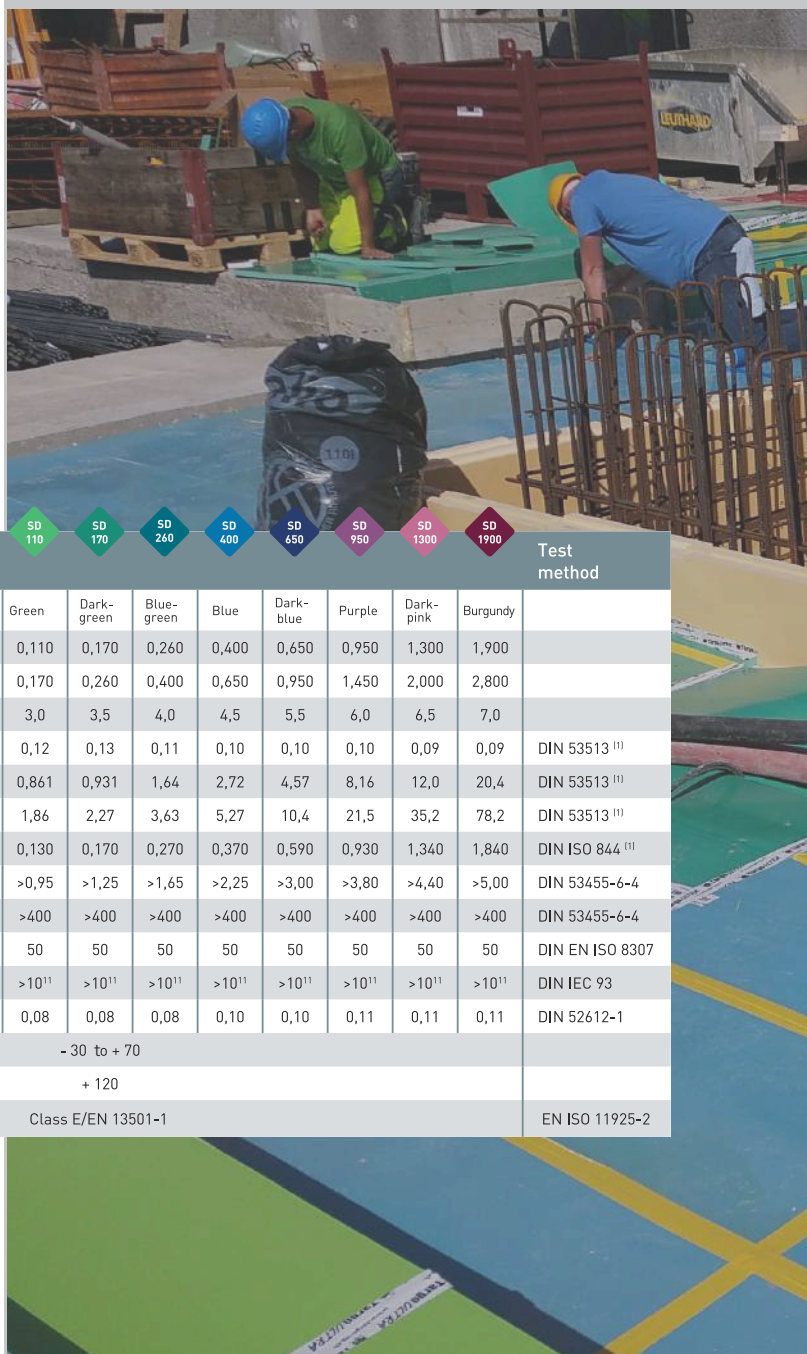
building foundations, industrial equipment, railways, vibration isolation of floors

Features

can be made as point and strip vibration isolation hanger and full-surface vibration isolation supports

Composition

polyurethane foam with precisely calculated loads



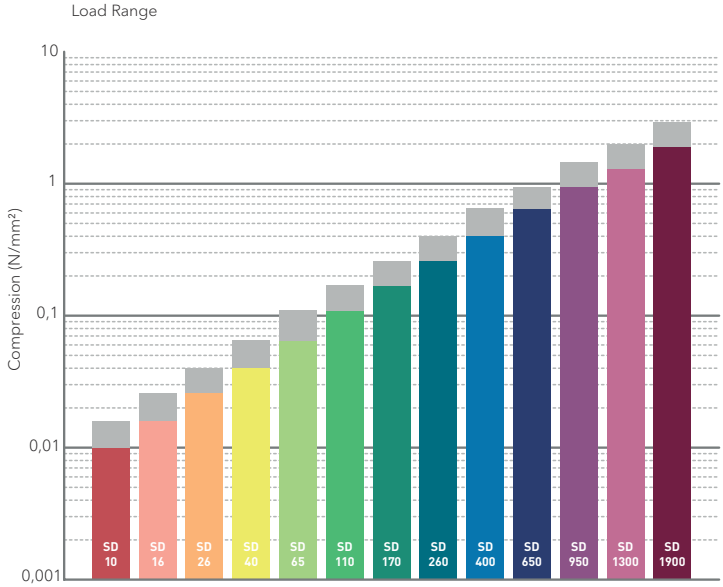
Characteristics	SD 10	SD 16	SD 26	SD 40	SD 65	SD 110	SD 170	SD 260	SD 400	SD 650	SD 950	SD 1300	SD 1900	Test method
Color	Red	Pink	Orange	Yellow	Light-green	Green	Dark-green	Blue-green	Blue	Dark-blue	Purple	Dark-pink	Burgundy	
Static size of usage (H/mm²) [2]	0,010	0,016	0,026	0,040	0,065	0,110	0,170	0,260	0,400	0,650	0,950	1,300	1,900	
Dynamic range (H/mm²) [2]	0,016	0,026	0,040	0,065	0,110	0,170	0,260	0,400	0,650	0,950	1,450	2,000	2,800	
Peak pressure (H/mm²) [2]	0,5	0,7	1,0	2,0	2,5	3,0	3,5	4,0	4,5	5,5	6,0	6,5	7,0	
Coefficient of mechanical dispersion [3]	0,25	0,24	0,22	0,15	0,18	0,12	0,13	0,11	0,10	0,10	0,10	0,09	0,09	DIN 53513 [1]
Static resilient modulus (H/mm²) [3]	0,048	0,111	0,129	0,316	0,453	0,861	0,931	1,64	2,72	4,57	8,16	12,0	20,4	DIN 53513 [1]
Dynamic resilient modulus (H/mm²) [3]	0,144	0,328	0,443	0,743	1,06	1,86	2,27	3,63	5,27	10,4	21,5	35,2	78,2	DIN 53513 [1]
10% deformation hardness (H/mm²)	0,011	0,018	0,026	0,046	0,073	0,130	0,170	0,270	0,370	0,590	0,930	1,340	1,840	DIN ISO 844 [1]
Breaking strength (H/mm²)	>0,35	>0,40	>0,45	>0,55	>0,70	>0,95	>1,25	>1,65	>2,25	>3,00	>3,80	>4,40	>5,00	DIN 53455-6-4
Breaking extension (%)	>400	>400	>400	>400	>400	>400	>400	>400	>400	>400	>400	>400	>400	DIN 53455-6-4
Bouncing resilience (%)	50	50	50	50	50	50	50	50	50	50	50	50	50	DIN EN ISO 8307
Specific resistance (Ω·cm)	$>10^{12}$	$>10^{12}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	$>10^{11}$	DIN IEC 93
Thermal conduction W/(m·K)	0,05	0,05	0,06	0,07	0,07	0,08	0,08	0,08	0,10	0,10	0,11	0,11	0,11	DIN 52612-1
Temperature range [°C]	- 30 to + 70													
Peak temperature [°C]	+ 120													
Flammability rating	Class E/EN 13501-1													EN ISO 11925-2

[1] measure procedure is up to standard
[2] form-factor q=3
[3] in accordance with highest settings

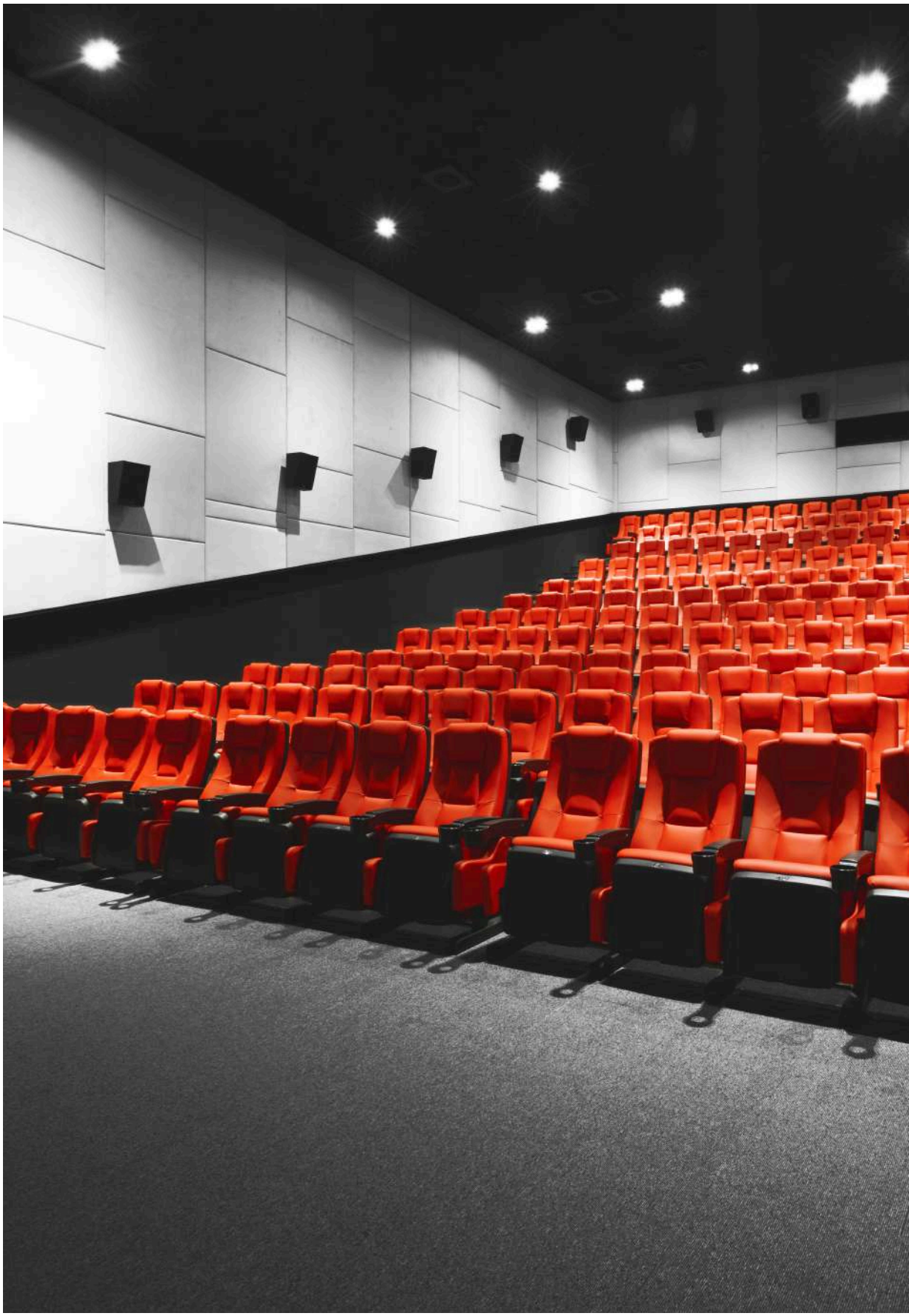
VIBRATION ISOLATION MATERIALS

2.0 x 0.5 m Vibrafoam pads

2.0 x 0.5 Vibradyn pads



DECORATIVE ACOUSTIC MATERIALS



BELNER

CLASSIC
ACOUSTIC
DESIGN

premium decorative acoustic panels

premium decorative acoustic panels
based on gypsum chipboard or MDF

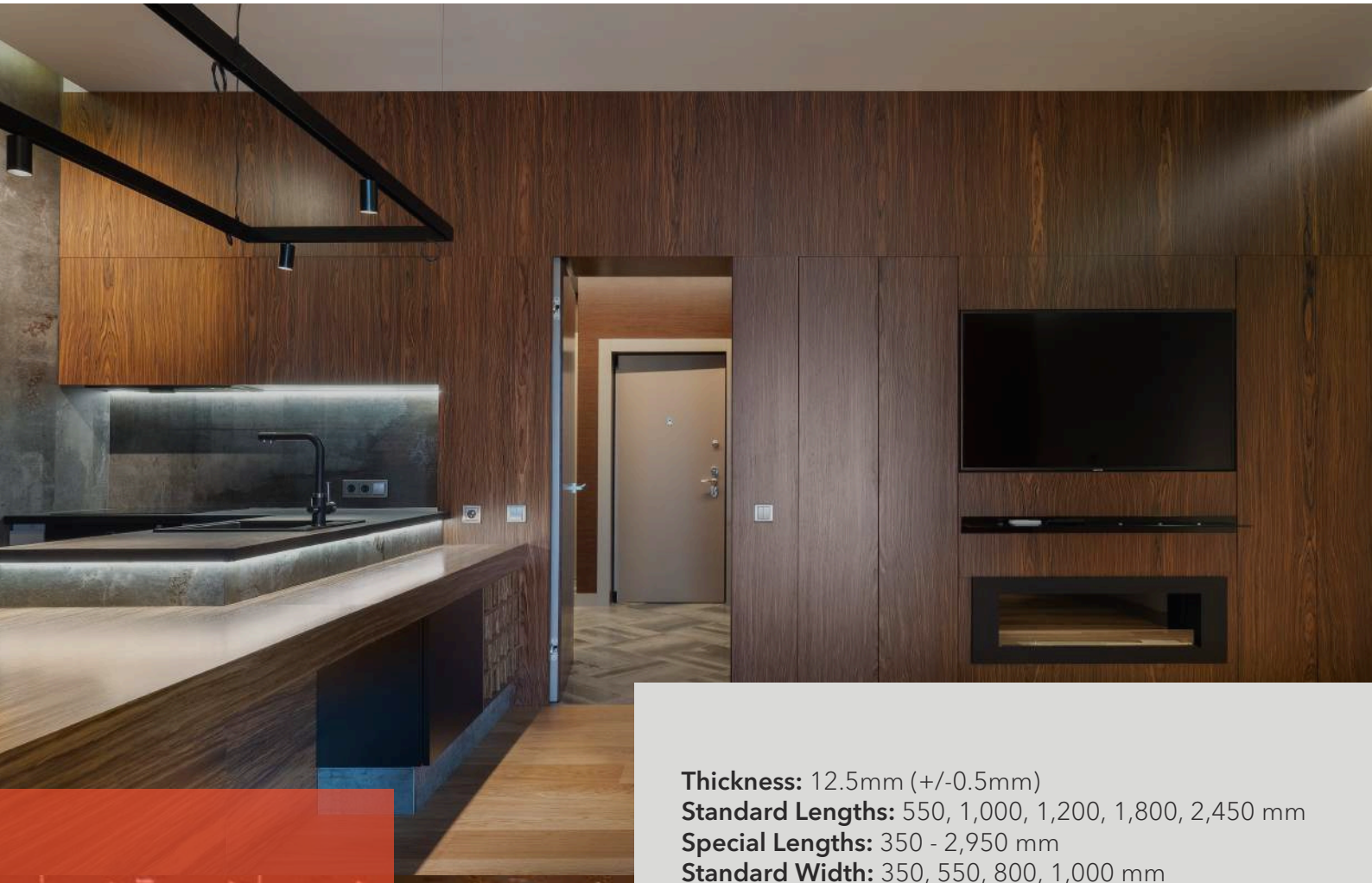
Primary Use
improving acoustic performance
in residential, industrial and public
buildings, decoration

Features
includes three product lines - Classic, Acoustic, Design. Panels are used for wall and ceiling cladding. They combine acoustic properties, fire safety, moisture resistance, impact resistance, environmental friendliness and visual appeal. Depending on the project, the panel may be veneered, dyed, draped or HPL-coated

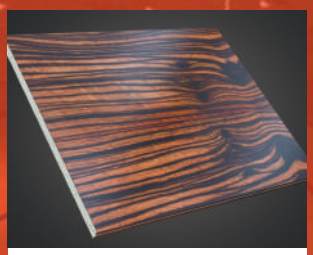
Composition
spanolux gypsum chipboard or MDF
with finishing to choose from: veneer
(natural/fine-line); HPL; coloring
(RAL/NCS); non-combustible fabric

Fire Hazard Class - KM1

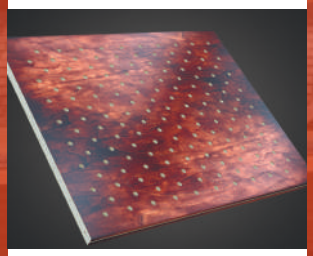
DECORATIVE ACOUSTIC MATERIALS



Thickness: 12.5mm (+/-0.5mm)
Standard Lengths: 550, 1,000, 1,200, 1,800, 2,450 mm
Special Lengths: 350 - 2,950 mm
Standard Width: 350, 550, 800, 1,000 mm
Weight of a Simple Panel: 15.7 kg/m²

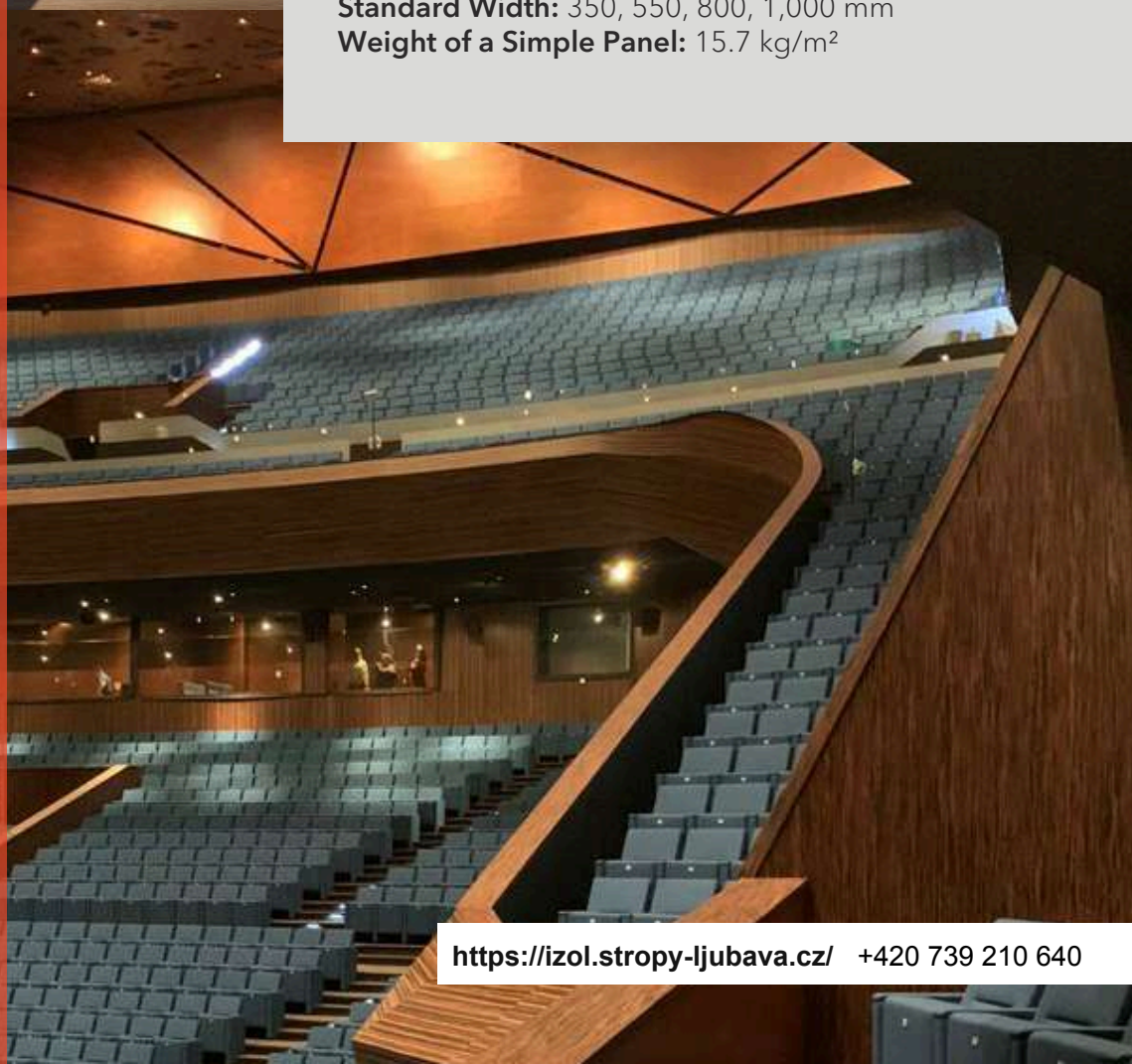


Belner Classic



Belner Acoustic

Belner Design



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SOUNDEC

decorative acoustic panels

decorative acoustic panels based on wood fiber with cement binding agent. Used for cladding walls and ceilings to increase acoustic comfort. Given the special texture, they also act as an independent design element in any room. The panels are environmentally friendly, moisture resistant, durable, effectively reduce indoor noise. Non-standard shapes can be manufactured according to individual design concept with panels colored in any shade according to the NCS and RAL catalog

- **14 mm Soundec, fiber thickness: 1 mm**
- **25 mm Soundec, fiber thickness: 1/1.5 mm**

Primary Use

room acoustics improvement

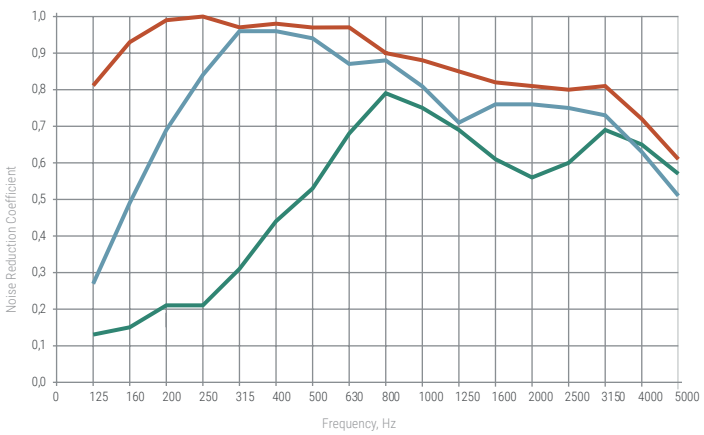
Features

tamper-proof, maintainability,
many options. Fire Hazard Class - KM1

Composition

wood and white cement

Soundec Sound Absorption Coefficient Response



25 mm thick Soundec with a 50 mm space

25 mm thick Soundec + StopZvuk BP Standard with a 50 mm space

25 mm thick Soundec + 2 layers of StopZvuk BP Standard with a 100 mm space

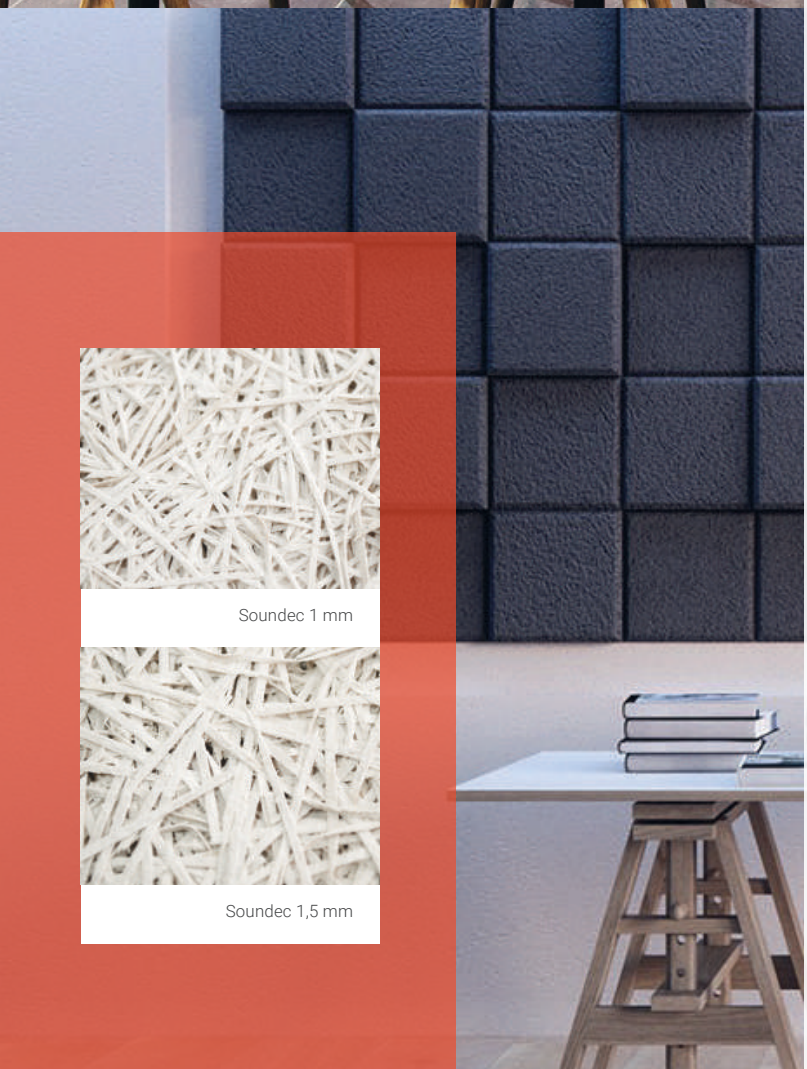
DECORATIVE ACOUSTIC MATERIALS

Soundec Design Series

a variety of Soundec decorative acoustic panels. This series offers many possibilities for designing non-standard sound-absorbing panels

Soundec Design Series panels can be made as geometric shapes. Furthermore, each panel can be manufactured to order

Using a special technology, the top layer of Soundec Design Series panels can be distressed. After painting Soundec panel, its top layer gets a noble shine. It's a perfect choice for creating a stylish character



Soundec 3D Series

a collection of sculptural acoustic panels for walls that can transform any surface into a piece of art

The set of interior design elements is a functional acoustic objet d'art. Decorative 3D acoustic wall panels can be created in various color combinations

With infinite options of the product you can get eye-catching interiors: from warm classic to striking conceptual

Soundec 1 mm

Soundec 1,5 mm

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AKUSTILINE

AMPIR
DECOR

sound absorbing panels with decorative coating

acoustic wall and ceiling panels based on mineral wool with fiberglass cloth. The panels offer high acoustic performance and a variety of design. The panels are durable, eco-friendly and fireproof, stand out for low thermal conductivity, high resistance to temperature and humidity changes, have an aesthetic appearance and are easy to install

Akustiline

Primary Use

improving acoustic performance in residential, industrial and public buildings. Cinemas, medical facilities, restaurants, clubs, meeting rooms, etc.

Features

high acoustic performance.
Can be colored in any shade from the RAL catalogue.
Fire Hazard Class - KM1

Composition

rock wool panel, cladded with fiberglass cloth (Ampir) or fiberglass wallpaper (Decor); covered with acoustic paint

Flammability Class - G1

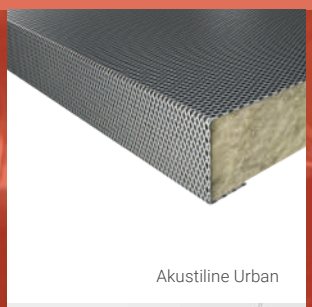
AKUSTILINE

URBAN

URBAN BUFFLE

sound absorbing panels with decorative cladding

basalt fiber boards are an effective noise absorber in a wide frequency range. Perforated metal shield provides protection against physical impact. The panels can be mounted both in a steel frame and as loose-hanging elements (BUFFLE). Can be colored in any shade from the RAL catalogue



Akustiline Urban

Akustiline Urban Buffle

Primary Use

improving acoustic performance in residential, industrial and public buildings. Suitable for cinemas, medical facilities, restaurants, clubs, meeting rooms, etc.

Specifics

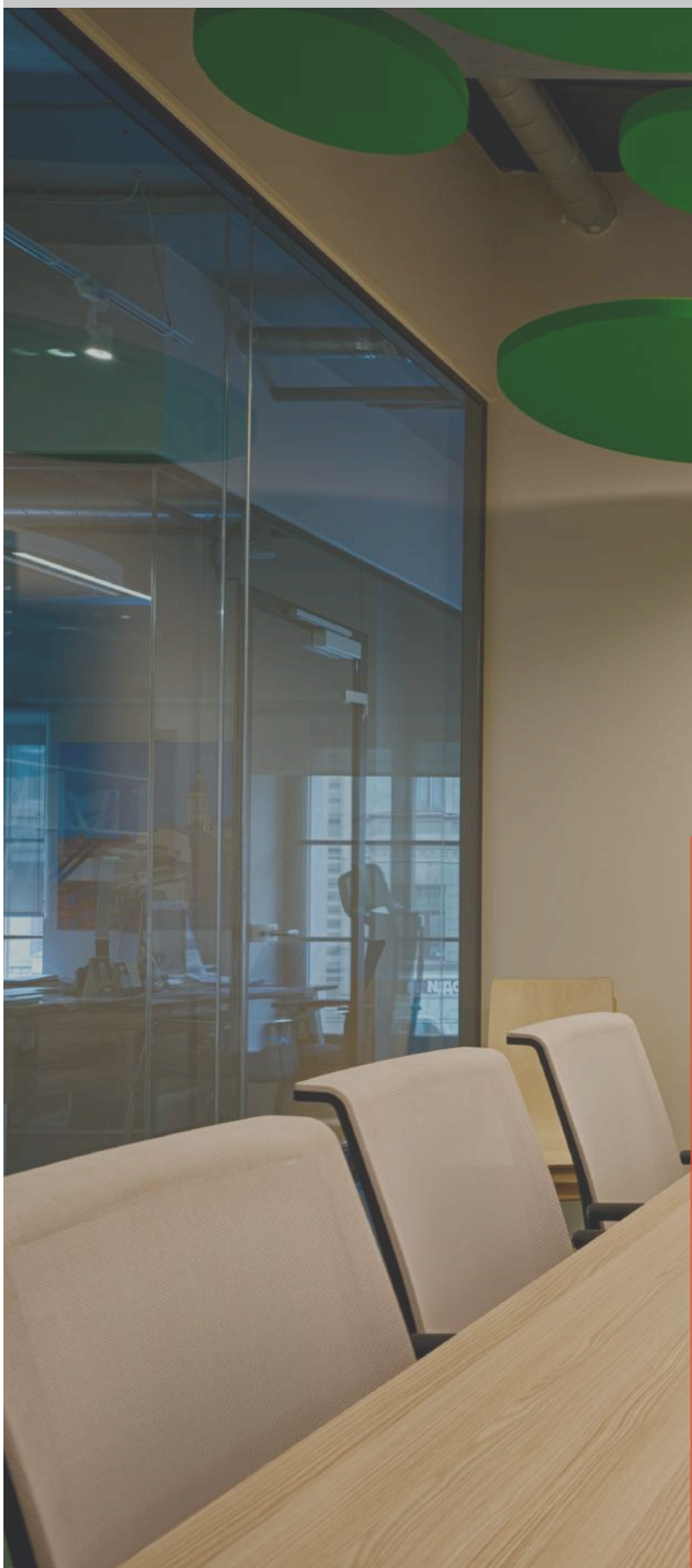
high acoustic performance;
high mechanical strength;
tamper-proof

Composition

rock wool panel;
fiber glass cloth;
perforated steel cassette

Flammability Class - NG

SAB ACOUSTIC melamine foam acoustic panels



porous lightweight fireproof panels made of Basotect melamine foam manufactured by BASF (Germany), light gray when uncolored

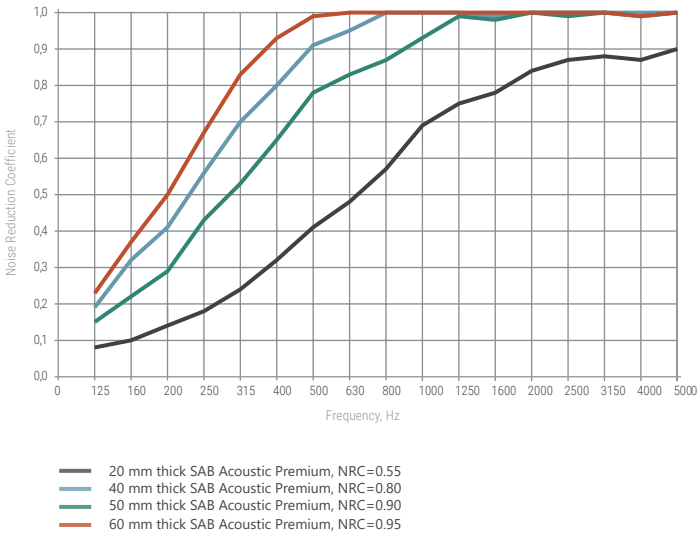
Primary Use
cinemas, concert halls, schools, malls and business centers

Specifics
Fire Hazard Class - KM1

Composition
melamine foam

Flammability Class - NG

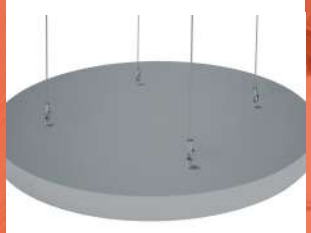
SAB Acoustic Premium (of different thicknesses)
Sound Absorption Coefficient Response



20 mm thick SAB Acoustic Premium, NRC=0.55
40 mm thick SAB Acoustic Premium, NRC=0.80
50 mm thick SAB Acoustic Premium, NRC=0.90
60 mm thick SAB Acoustic Premium, NRC=0.95

DECORATIVE ACOUSTIC MATERIALS

Sab Acousic Premium



Sab Acousic Premium Buffle

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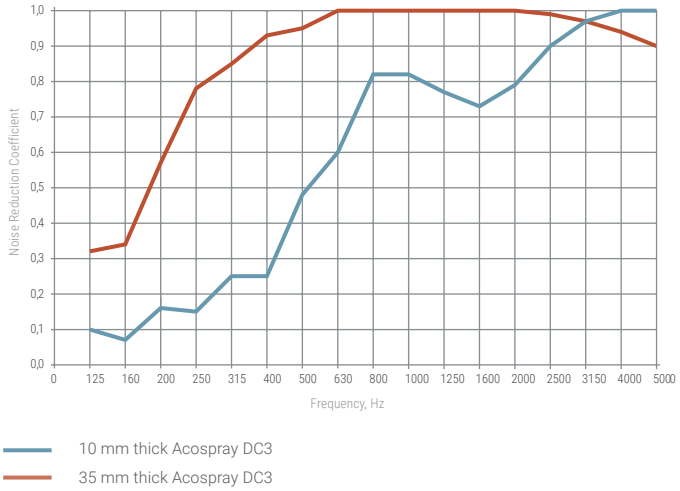
ACOSPRAY

acoustic coating

seamless cellulose-based acoustic coating. Manufactured by Acosorb (Netherlands). The unique Acospray properties deliver high sound absorption even when applied in one layer (5 mm), which is an absolute minimum for acoustic materials. Acospray seamless acoustic coating has gone mainstream in Europe. It can vary in thickness, which increases the acoustic effect.

Acospray Sound Absorption Coefficient Response



Primary Use
on all surfaces except glass and wood. Recommended for use in restaurants, gyms, public premises

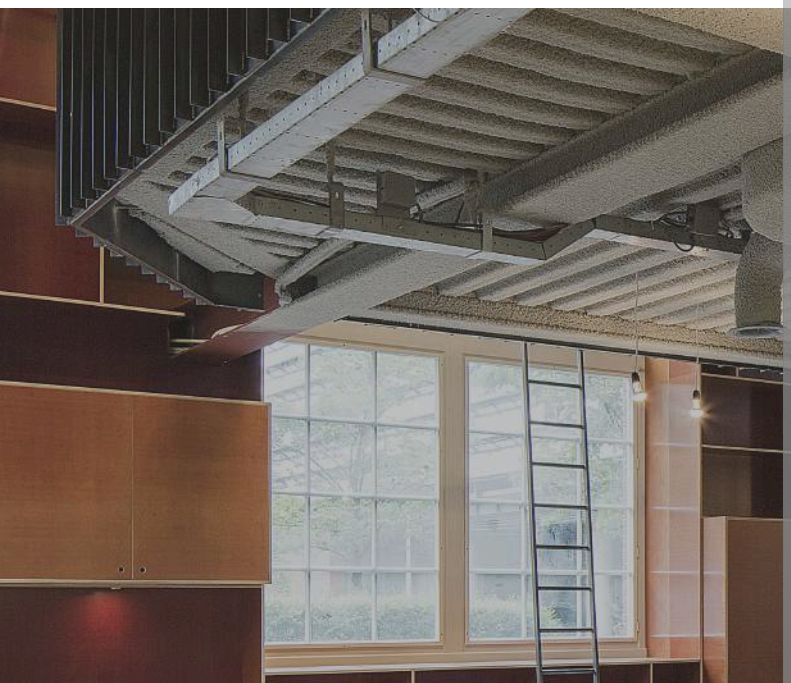
Specifics
can be applied on utilities.
Fire Hazard Class - KM1

Composition
cellulose fibers;
water-based polymer binders

Flammability Class - G1

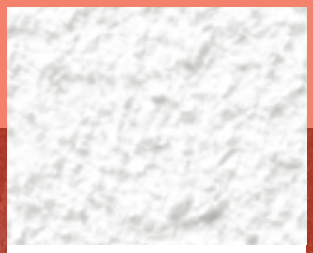
Facilities

- NIKE office, Moscow
- Office on Kolonchevskaya St, Moscow
- Restaurant in a hotel, Shymkent
- Singing Salmon restaurant, Vladimir
- Regional Puppet Theatre, Arkhangelsk
- Multifunctional sports complex “Rainbow”, Krasnoyarsk
- Megapark Business Center, St. Petersburg



- **Acospray DC3 White**
- **Acospray DC3 Grey**
- **Acospray DC3 Black**

DECORATIVE ACOUSTIC MATERIALS



Acospray DC3 white

Acospray DC3 grey

Acospray DC3 black

ACCESSORIES


10 л/8

SONETIC

Sonetic Sealant

vibration isolation sealant is produced in Germany specially for TechnoSonus. It is used in soundproofing systems for filling and sealing joints and cracks between dense material connections, such as: Sonoplat soundproofing panels, gypsum boards, gypsum plasterboards, glass magnesium boards, cement bonded particle boards, OSBs, wood chipboards. Compatible with concrete, brick, plaster, glass, enamel, metal, ceramics, plastic, varnished or painted wood

BAUTGER

Bautger Glue

used for fast and strong bonding of both dense heavy and soft porous or fibrous building materials (foam rubber, extrusion, polypropylene, polyethylene foam, polyester felt, synthetic winterizer, rubber and bitumen membranes, etc.). Glue can be applied on one or both sides

STOPZVUK V100 TAPE

30 m x 100 mm x 4 mm

fiberglass damping tape. Vibration damping, reducing structure-borne noise and impact sound transmission

Purpose
perfect for use as an elastic gaskets where structural elements are rigidly connected

Composition
consists of shatter fiberglass, pressed in a special mechanical way

SEALING TAPE

30 m x 50 mm x 2.5 mm

designed to reduce vibration passing through the steel frame of the soundproofing structure

Purpose
steel structures, profiles

Composition
fine-cell polyethylene foam

ACOUSTICGYPS BOX

AcousticGyps Box

R1, R2, R3, R4 AcousticGyps Box boxes minimize sound penetration through holes for electrical outlets, switches, and low-voltage wire termination. There is also an L1 spotlight box. A simple and effective solution that is suited for any frame and frameless soundproofing systems. Flammability Class - G1

PIPE SOUNDPROOFING KIT

Pipe soundproofing

ready-made convenient kit for soundproofing sewer pipes, risers, ventilation pipes, ducts and other pipe communications with a diameter of 110 mm. The main element of the kit is Tecsound FT 55AL combined membrane, designed for professional soundproofing

Composition
Tecsound FT 55AL combined membrane: 3 pcs (1,200x500 mm)
Bautger Glue, 0.5 kg
Application Brush, 1 pc
Metallized Tape, 1 pc
Plastic Tie Wraps, 11 pcs

SOUNDPROOFING SILLS

Planet HS-plus & Planet FT-plus

Planet HS-plus and Planet FT-plus are Swiss automatic sills installed on the lower edge of the door leaf. The sills have improved soundproofing performance Rw = 55 dB, and also contribute to fire safety improvement, as they are fireproof and smokeproof. They are easily mounted, adjustable and fit the aesthetic appearance of the doors. Sills are serviced without removing the door leaf. Unrivaled in the Russian market

TECSOUND TAPE

6 m x 50 mm x 2.6 mm

designed for vibration isolation of structural elements: studs, lightweight batten, vibration-independent hanger systems, various fasteners

Purpose
steel structures, profiles

Composition
natural mineral aragonite, polymers free of bitumen or detrimental impurities, self-adhesive layer

SOUNDPROOFING POLYMER ANCHOR

(6 m x 70 mm) 100 pc

specifically designed for installing Sonoplat soundproofing panels. Unlike the self-tapping screw, the soundproofing anchor is entirely made of plastic and is not a flanking path. Suitable for fixing many panel materials, such as gypsum boards, gypsum plasterboards, OSB, extruded insulation, etc. Bases include: concrete, lightweight concrete, solid brick, foam concrete

FIXING ELEMENTS

Self-tapping screws
and wall anchors

fasteners are designed to fix soundproofing materials to various types of surfaces, piece structural parts. The entire range of fasteners offered has been selected from the best manufacturers and tested by our specialists. The offered range includes fasteners for all types of bases

INSTALLATION ACCESSORIES

Profiles and GKLZ

installation of soundproofing structures requires general building materials, such as a profile, a hanger, a crab connector, etc. Installation accessories range offers AcousticGyps reinforced metal elements of the frame. The use of the offered components not only provides effective soundproofing, but also guarantees durability of the entire structure

DISK-SHAPED DOWEL

(10 m x 70 mm) 100 pc

plastic soundproofing disk designed for fastening soft and hard soundproofing materials to concrete, solid and hollow bricks, foam concrete and etc. base.

REINFORCED TAPE

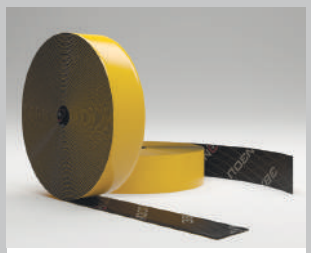
50 m x 50 mm

self-adhesive elastic tape reinforced with polyester mesh. Highly adhesive and tacky, strong and moisture-proof. Used to install soundproofing systems with TermoZvukoIzol

Purpose
gluing joints and TermoZvukoizol cutting points, sealing joints, pipe and panel joints

Composition
polyethylene film, polyester mesh, self-adhesive layer

ZVUKOIZOL TAPE



15 m x 35 mm x 1.3 mm

designed for gluing all types of thermal insulating, sound and waterproofing materials based on bitumen

Purpose
gluing butt joints of rolled bitumen waterproofing materials, corrosion protection insulation of metal pipes

Composition
polymer bitumen coating; protective film; self-adhesive layer

TERMOZVUKOIZOL TAPE

5 m x 180 mm x 14 mm

isolates utilities and their penetration through walls and floors. Used in heating mains, water supply systems, waste pipes, ventilation and air conditioning systems

Purpose
in frame construction to prevent transmission of structure-borne noise and vibration from the floor structure to joist, etc.

Composition
stitched fiberglass cloth, spunbond, double-sided tape

VIBRATION COMPENSATING WASHER

(14 m x 5 mm) 50 pc

a layer between metal elements designed to isolate the frame structure from the structure-borne noise. Used in structures mounted on thin batten and when installing wood batten. Comes complete with steel flat washer

LEGEND

IMPACT SOUND

AIRBORNE SOUND

ECO FRIENDLY

FIRE SAFETY

THERMAL INSULATION

WATERPROOFING

AESTHETICS

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