



SOUNDPROOFING SOLUTIONS

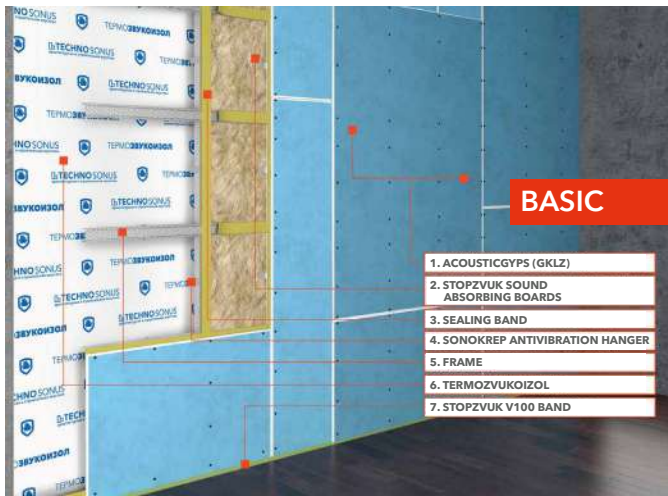
PARTITIONS FLOORS
CEILING WALLS



 **TECHNO
SONUS**

«PREMIUM» SYSTEMS CONSIST OF THE «STANDARD» SYSTEM ELEMENTS, BUT INCLUDE ADVANCED VIBRATION AND SOUND INSULATION LAYER OF TEC SOUND FT MATERIAL AND SONOKREP EP ANTIVIBRATION HANGER PROVIDING INCREASED PROTECTION AGAINST STRUCTURE-BORNE NOISE AND LOW-FREQUENCY SOUNDS

FRAME



1. ACOUSTICGYPS (GKLZ)
2. STOPZVUK SOUND ABSORBING BOARDS
3. SEALING BAND
4. SONOKREP ANTIVIBRATION HANGER
5. FRAME
6. TERMOZVUKOIZOL
7. STOPZVUK V100 BAND

CEILING	90	Rw	66	ΔRw	15	ΔLnw	13
WALL	69		62		12		
	SYSTEM THICKNESS, mm		AIRBORNE SOUND REDUCTION, dB		AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		IMPACT SOUND REDUCTION, dB

First-level soundproofing system. It is recommended for use in multi-apartment houses or private residences. The basic system ensures the reduction of domestic noise level to the standard values, specified in SP 5.13330.2011 "Noise Protection" (SNiP 23-03-2003 Revised Version).



1. ACOUSTICGYPS (GKLZ)
2. ZVUKOIZOL VEM
3. STOPZVUK SOUND ABSORBING BOARDS
4. SEALING BAND
5. SONOKREP ANTIVIBRATION HANGER
6. FRAME
7. TERMOZVUKOIZOL
8. STOPZVUK V100 BAND

CEILING	90,9	Rw	71	ΔRw	20	ΔLnw	16
WALL	72,7		67		17		
	SYSTEM THICKNESS, mm		AIRBORNE SOUND REDUCTION, dB		AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		IMPACT SOUND REDUCTION, dB

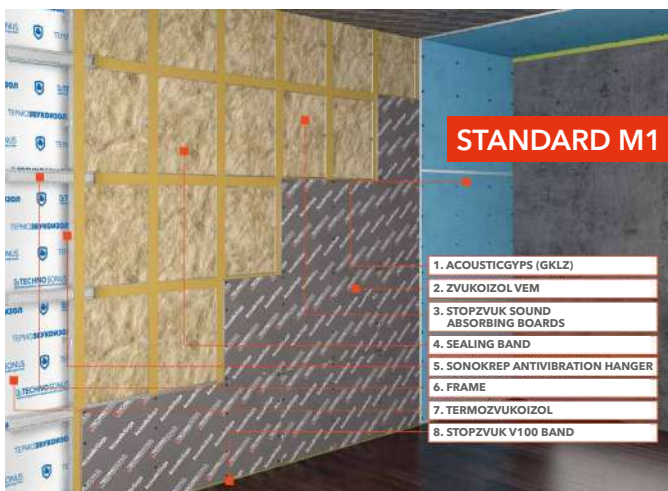
Second-level soundproofing system. The most common and demanded system. It may be used in multi-apartment residential buildings of enhanced comfort, hotels, hospitals, health centres, etc. The system ensures sound comfort through effective protection against airborne domestic noise and significant reduction of structure-borne noise (such as mechanical impact, footfall sounds, etc.). The main system elements are viscoelastic soundproofing membranes.



1. ACOUSTICGYPS (GKLZ)
2. SONOPLAT STANDARD
3. STOPZVUK SOUND ABSORBING BOARDS
4. SEALING BAND
5. SONOKREP ANTIVIBRATION HANGER
6. FRAME
7. TERMOZVUKOIZOL
8. STOPZVUK V100 BAND

CEILING	90	Rw	69	ΔRw	18	ΔLnw	15
WALL	68,5		65		15		
	SYSTEM THICKNESS, mm		AIRBORNE SOUND REDUCTION, dB		AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		IMPACT SOUND REDUCTION, dB

Second-level soundproofing system. It may be used in multi-apartment residential buildings of enhanced comfort, hotels, hospitals, health centres, etc. The system ensures sound comfort through effective protection against airborne domestic noise and significant reduction of structure-borne noise (such as mechanical impact, footfall sounds, etc.). The main system elements are thin and heavy panels Sonoplat.



1. ACOUSTICGYPS (GKLZ)
2. ZVUKOIZOL VEM
3. STOPZVUK SOUND ABSORBING BOARDS
4. SEALING BAND
5. SONOKREP ANTIVIBRATION HANGER
6. FRAME
7. TERMOZVUKOIZOL
8. STOPZVUK V100 BAND

CEILING	90,5	Rw	73	ΔRw	22	ΔLnw	16
CTEHA	73,5		68		18		
	SYSTEM THICKNESS, mm		AIRBORNE SOUND REDUCTION, dB		AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		IMPACT SOUND REDUCTION, dB

Higher-level soundproofing system. It may be used in multi-apartment residential buildings of enhanced comfort, hotels, hospitals, health centres, etc. The system ensures sound comfort through effective protection against airborne domestic noise and significant reduction of structure-borne noise (such as mechanical impact, footfall sounds, etc.). The main system elements are composite sound-insulating boards AcousticGyps M1.

THE VALUES FOR 140 MM REINFORCED CONCRETE WALL ARE FROM THE TECHNOSONUS AND NIISF (RESEARCH INSTITUTE OF BUILDING PHYSICS) BOOK OF TYPICALS VERSION

CEILINGS

WALLS

FRAMELESS



SLIM 40

CEILING		52,5
WALL		52,5
SYSTEM THICKNESS, mm		
Rw		61
		60
AIRBORNE SOUND REDUCTION, dB		
▲Rw		10
		10
AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		

Thin system for soundproofing partition walls and ceilings in apartments, country houses and non-residential buildings. Quick and easy to install. It may be used for isolation of domestic noise sources in rooms without high soundproofing requirements. The main system elements are composite sandwich panels 40 mm thick.



SLIM 70

CEILING		82,5
WALL		82,5
SYSTEM THICKNESS, mm		
Rw		65
		63
AIRBORNE SOUND REDUCTION, dB		
▲Rw		14
		13
AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		

Thin system for soundproofing partition walls and ceilings in apartments, country houses and non-residential buildings. Quick and easy to install. It may be used for isolation of domestic noise sources in rooms without high soundproofing requirements. The main system elements are composite sandwich panels 70 mm thick.

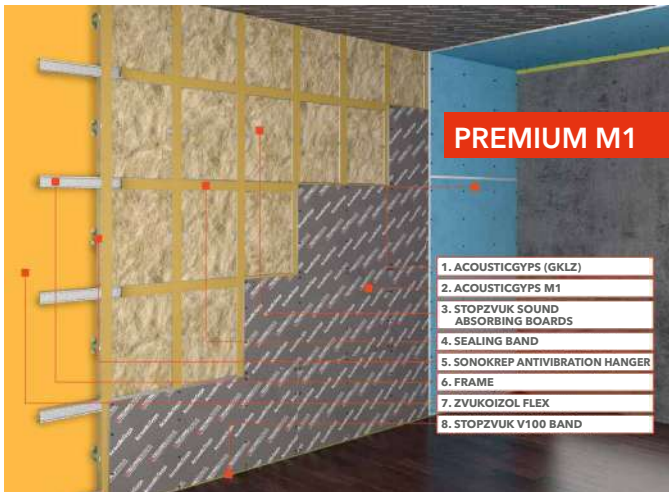
FRAME



PREMIUM M

CEILING		98,5
WALL		73,7
SYSTEM THICKNESS, mm		
Rw		74
		72
AIRBORNE SOUND REDUCTION, dB		
▲Rw		24
		22
AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		
▲Lnw		21
		-
IMPACT SOUND REDUCTION, dB		

The most effective third-level soundproofing system. It may be used both in residential buildings, apartments of enhanced comfort, and in special purpose facilities (recording studios, conference rooms, cinema- and concert-halls, restaurants, karaoke bars, etc.). The system reduces all frequency range sound transmission through walls and floors and makes the sounds inaudible for humans (at the sound volume of up to 80-85 dB). The main system elements are viscoelastic soundproofing membranes.



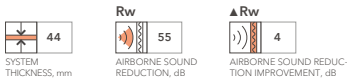
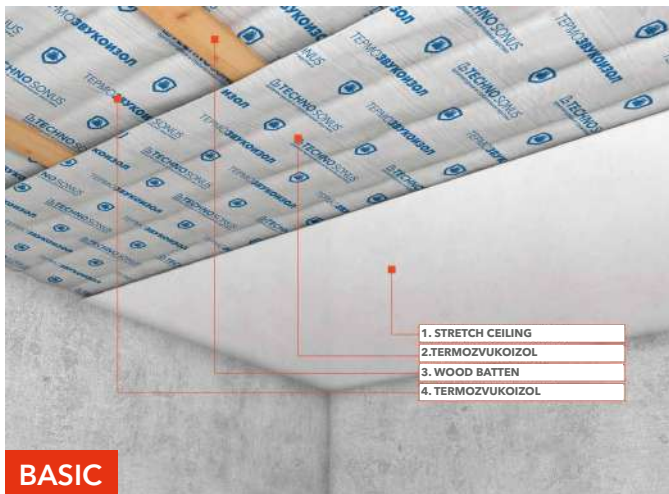
PREMIUM M1

CEILING		98,5
CTEHA		83,5
SYSTEM THICKNESS, mm		
Rw		75
		73
AIRBORNE SOUND REDUCTION, dB		
▲Rw		24
		23
AIRBORNE SOUND REDUCTION IMPROVEMENT, dB		
▲Lnw		21
		-
IMPACT SOUND REDUCTION, dB		

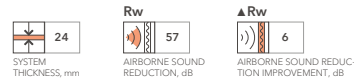
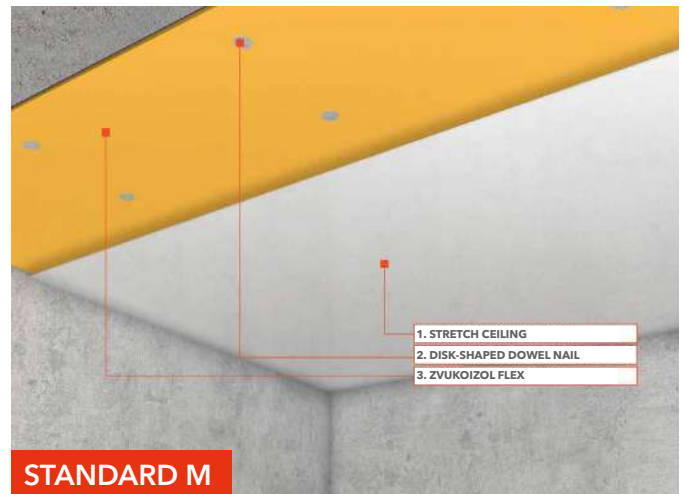
The most effective soundproofing system. It may be used both in residential buildings, apartments of enhanced comfort, and in special purpose facilities (recording studios, conference rooms, cinema- and concert-halls, restaurants, karaoke bars, etc.). The system reduces all frequency range sound transmission through walls and floors and makes the sounds inaudible for humans (at the sound volume of up to 80-85 dB). The main system elements are composite sound-insulating boards AcousticGyps M1.

SOUNDPROOFING SOLUTIONS

FRAMELESS CEILINGS

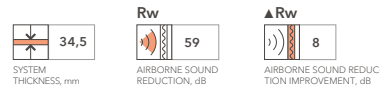


Efficient system for stretch ceilings, where minimum thickness is required. The system prevents from formation of "drum" effect and reduces airborne noise.

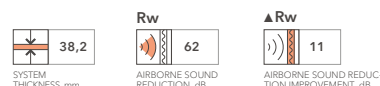


The most widely-used system for stretch ceiling, where minimum thickness is required. It may be used in multi-apartment residential buildings of enhanced comfort. Zvukoizol FLEX, with its composition, forms a heavy sound-deadening dome preventing from airborne noise immission.

FRAMELESS WALLS



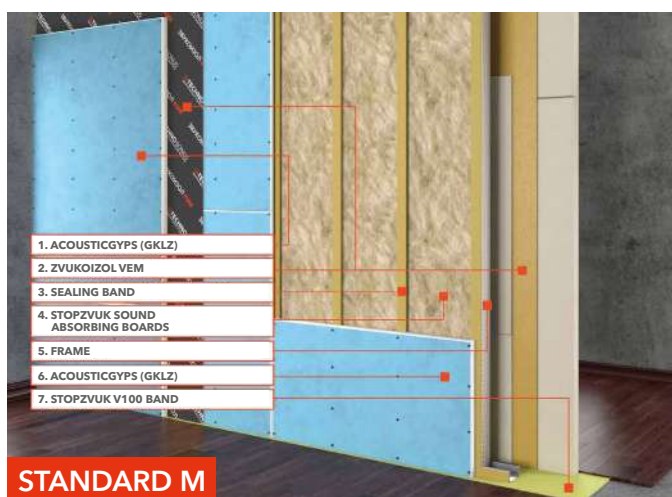
Thin system for soundproofing partition walls and partitions in apartments, country houses and non-residential buildings. Quick and easy to install. The system reduces all audio frequency range noises and maintains sound comfort. The main system elements are composite Sonoplat Combi panels.



The thinnest premium system for soundproofing partition walls and partitions in apartments, country houses and non-residential buildings. Quick and easy to install. The system reduces all audio frequency range noises and maintains sound comfort. The main system elements are composite Sonoplat Combi panels and viscoelastic soundproofing membranes.



BASIC 1



STANDARD M



The most common and demanded system for dividing a space into two parts. It may be used in multi-apartment residential buildings of enhanced comfort, hotels, study rooms, meeting rooms, etc. The system ensures sound comfort and effectively protects against airborne domestic noise. The main system elements are viscoelastic soundproofing membranes.



PREMIUM M1



Basic soundproofing system for dividing a space into two parts. It may be used in hotels, study rooms, meeting rooms, work rooms, etc. The system ensures the reduction of domestic noise level to the standard values, specified in SP 5.13330.2011 "Noise Protection" (SNIIP 23-03-2003 Revised Version). The main system elements are AcousticGyps GKLZ (soundproofing reinforced gypsum boards).



STANDARD M1



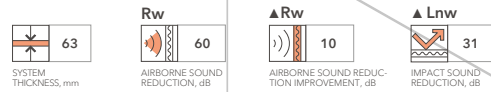
Improved-performance system for dividing a space into two parts. It may be used in hotels, study rooms, meeting rooms, work rooms, etc. The system ensures maximum protection against airborne noise immission. The main system elements are composite sound-insulating boards AcousticGyps M1.

Improved-performance system for dividing a space into two parts. It may be used in hotels, study rooms, meeting rooms, work rooms, etc. The system ensures maximum protection against airborne noise immission. The main system elements are composite sound-insulating boards AcousticGyps M1.

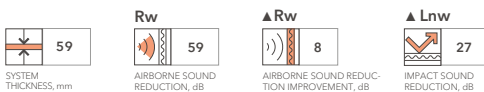
"PREMIUM" PARTITION SYSTEMS CONSIST OF THE "STANDARD" SYSTEM ELEMENTS, BUT ARE INSTALLED ON TWO INDEPENDENT FRAMES AND ARE THICKER. SUCH STRUCTURES PROVIDE INCREASED PROTECTION AGAINST AIRBORNE NOISE.

SOUNDPROOFING SOLUTIONS

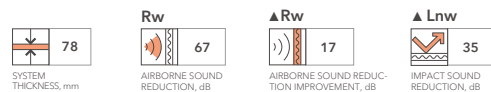
FLOORS



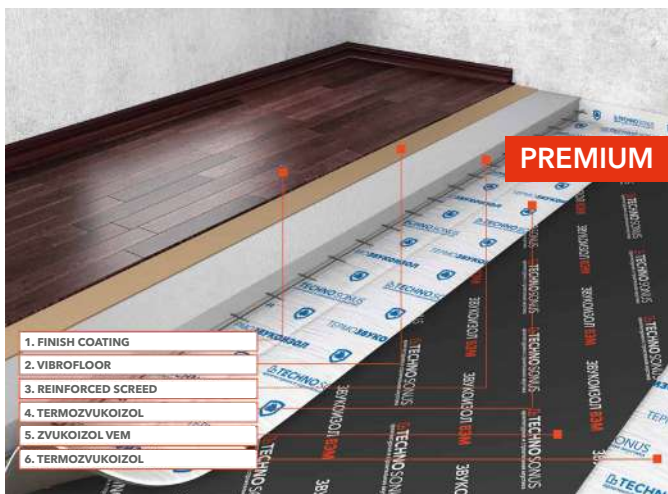
The most popular and favourable system by price-performance ratio. It may be used in apartments and various state and commercial facilities. The system decreases the level of impact noise passing to the lower-storey rooms to the standard values specified in SNiP 23-03-2003 and reduces airborne noise immission.



Popular and favourable system by price-performance ratio. It may be used in apartments and various state and commercial facilities. The system decreases the level of impact noise passing to the lower-storey rooms to the standard values specified in SNiP 23-03-2003 and provides effective water-proofing in accordance with GOST 2678-94.



Professional system for high-level protection against noise passing through floor slabs. It may be used in commercial, educational, entertainment facilities. The system is thick, has high soundproofing performance, and decreases the level of impact noise passing to the lower-storey rooms.



The most effective system used for reduction in structure-borne noise level and for airborne noise insulation within the full frequency range. It is recommended for use in apartments with enhanced level of comfort, in the premises intended for playing musical instruments, engineering equipment installation, in cinema- and concert-halls, restaurants, cafes, recreation centres, etc.