

BASIC CEILING SOUNDPROOFING FRAME SYSTEM

from Album of Typical Technical Solution
TechnoSonus and NIISF version
TS/01.2020/RD/S/R4 type TS-3.1



SYSTEM
THICKNESS
90 mm



GENERAL CONSTRUCTION
SOUND REDUCTION INDEX
Rw = 66 dB



AIRBORNE
SOUND REDUCTION
IMPROVEMENT INDEX
▲ Rw = 15 dB



IMPACT
SOUND REDUCTION
IMPROVEMENT INDEX
▲ Lnw = 13 dB



1. ACOUSTIC GYPS (GKLZ)
2. SOUND ABSORBING BOARDS STOPZVUK
3. SEALING TAPE
4. SONOKREP
5. METAL FRAME
6. TERMOZVUKOIZOL
7. STOPZVUK VÍDĚ TAPE

DESCRIPTION

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

COMPONENTS

Material	Coefficient per 1 m ² *
TermoZvukolzol Standard Soundproofing Mat (10m x 1.5m x 14mm) 15m ²	0,0767
StopZvuk BP Premium Sound Absorbing Board (1m x 0.6m x 50mm) 4pcs., 2.4m ²	0,4167
Sonokrep Protector Anti-Vibration Hanger	3,3000
Sonetic Vibroacoustic Sealant, 310ml	0,2500
Bautger Adhesive, 10 l /8kg container	0,0250
Vibration Cushioning Band V-100 (30m x 100mm x 4mm)	0,0450
Reinforced Tape (50m x 50mm)	0,0380
Sealing Band DB (30m x 50mm x 2.5mm)	0,1235
Vibration Isolation Washer (14mm x 5mm) + Metal Washer (M6) 50 pcs.	0,1429
AcousticGyps PPN Reinforced Profile 27/28, 3m	0,4500
AcousticGyps PP Reinforced Profile 60/27, 3m	1,2000
AcousticGyps Soundproofing Gypsum Board (2m x 1.2m x 12.5mm) 2.4m ²	0,9167
Self-Threading Screw TC-XTN 3.9x38 (500 pcs.)	0,0800
Self-Threading Screw TC-XTN 3.9x23 (500 pcs.)	0,0500
Self-Threading Screw TC-MM 4.2x13 (1000 pcs.)	0,0150
AcousticGyps single-level connector (Crab) for PP 60/27	4,0000
AcousticGyps extension for PP 60/27	0,6000
Dowel Nail TC-DG 6/60 (100 pcs.)	0,0700

*Coefficients are advisory in nature, calculated empirically