

PREMIUM M1 WALL SOUNDPROOFING FRAME SYSTEM

from Album of Typical Technical Solution
TechnoSonus and NIISF version
TS/01.2020/RD/S/R4 type TS-2.5



SYSTEM
THICKNESS
83.5 mm



GENERAL CONSTRUCTION
SOUND REDUCTION INDEX
Rw = 69-73 dB



AIRBORNE
SOUND REDUCTION
IMPROVEMENT INDEX

▲ Rw = 24-23 dB



DESCRIPTION

The most effective soundproofing system of the highest level. It may be used in multi-apartment residential buildings and apartments of enhanced comfort, in special purpose facilities (recording studios, conference rooms, movie 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 AcousticGyps M1 boards.

COMPONENTS

Material	Coefficient per 1 m ² *
AcousticGyps M1 sound-insulating panel (1.2m x 0.5m x 17mm) 0.6m ²	1,4400
Tecsound FT 55 membrane (5,5m x 1,2m x 13mm) 6,6m ²	0,1591
StopZvuk BP Prime sound absorbing board (1m x 0.6m x 27mm) 8pcs. 4.8m ²	0,2083
Sonokrep EP 20 anti-vibration hanger	3,3000
Sonetic vibroacoustic sealant, 310ml	0,2500
Bautger adhesive, 10 l /8kg container	0,0500
Disk-shaped dowel nail (10mm x70mm) 100 pcs.	0,0500
Vibration cushioning band V-100 (30m x 100mm x 4mm)	0,0450
Reinforced tape (50m x 50mm)	0,0380
Tecsound band (6mm x 50mm x 2.6mm)	0,5500
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	0,4583
Self-threading screw TC-XTN 3.9x38 (500 pcs.)	0,0800
Self-threading screw TC-XTN 3.9x55 (500 pcs.)	0,0800
Self-threading screw TC-MM 4.2x13 (1000 pcs.)	0,0150
AcousticGyps single-level connector (Crab) for PP 60/27	4,0000
Dowel nail TC-DG 6/60 (100 pcs.)	0,0700

*Coefficients are advisory in nature, calculated empirically