

the PREMIUM class	Technical sheet	TechnoNICOLE
Russia	Technoelast-Acoustic Roll-fed sound-proof interlaying material	TS 5763-005-72746455-2007

Features: Technoelast-Acoustic: - impact noise insulation;
Technoelast-Acoustic Super: - impact noise insulation;
- damp-proofing.

Application areas: Designed for installation of sound-proof interlayers in floating floors or in other constructions for the purpose of reduction of the level of impact noise according to Construction Codes and Regulations (SNiP) 23-03, and also for damp-proofing thereof.

Composition: Technoelast-Acoustic is produced by two-sided placing of bituminous polymeric bonder on the fibre-glass base with the subsequent placement of a layer of sound-proof geotextile on one side of the material, or by two-sided placing of bituminous polymeric bonder on sound-proof glass-fibre mat; for protection from agglutination, polymeric film is placed on the bituminous polymeric bonder. Butadiene-styrene thermoplastic elastomer or modifications thereof are used for bitumen transformation.

Grades: Depending on the structure of the material and the application areas, Technoelast-Acoustic is produced of two grades:

Technoelast-Acoustic Super: on a fibre-glass base, on the both sides of which bituminous polymeric bonder is placed, with a layer of sound-proof geotextile on one side of the material, and polymeric protective film on the other part of the material; it is used for installation of sound-proof interlayers and **damp-proofing** of floating floors or other constructions, where impact noise insulation is required;

Technoelast-Acoustic: on a sound-proof glass-fibre base, on one side of which bituminous polymeric bonder is placed, protected by a polymeric protective film; it is used for installation of sound-proof interlayers in floating floors or other constructions, where impact noise insulation is required.

Basic physical and mechanical properties

Property name	Material	
	Technoelast-Acoustic	Technoelast-Acoustic Super
Mass of 1 sq. m, kg, not less than	1,3	3,3
Thickness, mm	2,5	4,8
Breaking load, H, not less than		
glass-fibre mat	170	300
Water absorption during 24 h, mass %, not to exceed	-	2
Brittle point of the bonding material, °C, not to exceed	-	minus 25
Bend point on a R=25 mm beam, °C, not to exceed	-	minus 15
Water resistance at water pressure of not less than 0.2 MPa during 2 h	-	absolute
Heat endurance, °C, not less than	-	85
Dynamic modulus of elasticity at the load of 2 kPa, MPa, not to exceed	0,20	0,25
Noise reduction index, ΔL_n , dB, not less than	21	24
Protective covering type		
on the top	film	film
on the bottom	-	-
Length / width, m	15x1	10x1

Performance of works: according to the "Manual for Application of the Technoelast-Acoustic and Technoelast-Acoustic Super Sound-Proof Materials", may be used in all climate zones as determined in Construction Codes and Regulations (SNiP) 23-01.

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