

# AKUFLEX

## Soundproofing underlay for floor coverings

TU 23.99.19-010-28789041-2020

AKUFLEX is a soundproofing roll material made of polyester fiber, developed specifically for floor soundproofing.

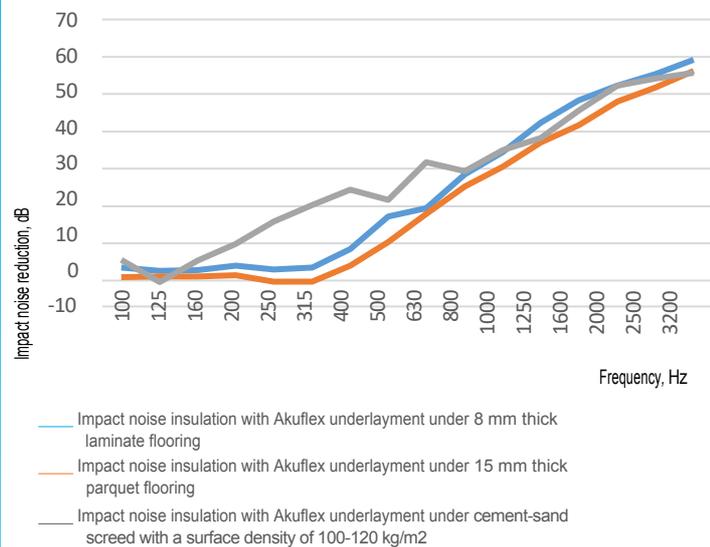
AKUFLEX material is used as an elastic underlayment under finished floor coverings: laminate, parquet, linoleum, as well as under leveling screed to reduce impact noise under the floor slab in the room below.

The material is approved for use in construction in the Republic of Belarus (TS 05.1836.17) and the Republic of Kazakhstan.



Reduction of the equivalent impact noise level

Acoustic tests were performed by the acoustic measurement laboratory of NIISF RAASN in Moscow. Test report No. 454-002-13 dated 25.02.2013.  
Acoustic test report dated February 16, 2016.



### Impact noise reduction index

under 8 mm thick laminate flooring, $\Delta L_{nw}$	20 dB
under 15 mm parquet flooring, $\Delta L_{nw}$	17 dB
under cement-sand screed with a surface density of 100-120 kg/m <sup>2</sup> , $\Delta L_{nw}$	28 dB

AKUFLEX

SOUND INSULATION



### COMPOSITION

Polyester fiber treated using a special technology to achieve stable and durable elastic properties.



### DISTINCTIVE FEATURES

- Versatile application: for finishing coatings and leveling screeds;
- Increases the service life of floor coverings by allowing air and moisture to circulate;
- Fibrous structure guarantees stable acoustic performance throughout the entire service life;
- Allows for thin and effective additional impact noise insulation ( $\Delta L_{nw} = 21$  dB) without the need for a leveling screed.



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## PHYSICAL CHARACTERISTICS

Dynamic modulus of elasticity under a load of 2 kPa	no more than 0.27 MPa
Relative compression coefficient under a load of 2 kPa	no more than 0.12
tensile strength	not less than 200 N
surface density	300 g/m <sup>2</sup>



## PACKAGING AND STORAGE

- roll length: 15 m
- width: 1 m
- material thickness: 4 mm
- roll weight: 5 kg



## ENVIRONMENTAL

The material complies with the unified Sanitary and Epidemiological Requirements for goods subject to sanitary and epidemiological supervision (expert opinion No. 3197-18 issued by the Center for Hygiene and Epidemiology of the Moscow Region).



## INSTALLATION

Detailed technology for installing soundproof flooring is provided in the Engineering Solutions Album (September 2021, number ASP-601-0921) on page 11.

Main components and drawings are on page 90 (sheet 6.02). For more details on design and installation, see:

[https://www.acoustic.ru/constructions/zvukoizolyaciya\\_pola/30](https://www.acoustic.ru/constructions/zvukoizolyaciya_pola/30)

