

ZIPS-dB

insulating gypsumfiber board triplex

Acoustic triplex ZIPS-dB is a specialized three-layer material for the construction of sound insulating timber frame constructions, linings and suspended ceilings.

In compare to the moisture resistant gypsum fiber board having the same surface density, ZIPS-dB acoustic triplex has a higher level of sound insulation at different frequencies due to the elastic connection between separated rigid layers.

This is based on the drift of the boundary frequency (at which the failure in sound insulation occurs) to the region of higher frequencies, where the effect of wave coincidence does not significantly affect the sound insulation of the construction.



COMPOUND

Acoustic triplex is made of two 8mm hard GFB sheets, connected with elastically-resilient layer of special sealant.



DIMENSIONS AND PACKAGING

- Dimensions: 1200 x 1200
- Thickness: 16,5 mm
- Weight: 30 kg



MOUNTING

ZIPS-dB acoustic triplex should be mounted strictly according to installation instructions.



FIRE SAFETY

B-s1, d0 fire safety class according to Standart EN 13950:2014.



CERTIFICATES

The material is certified and passed acoustic tests.



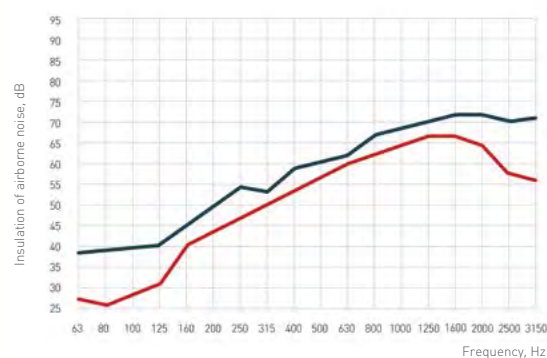
PHYSICAL CHARACTERISTICS

The surface density	18 kg/m ²
Bulk density	1200 kg/m ³
Bending strength	not less than 4.5 MPa



ACOUSTIC CHARACTERISTICS

Insulation of airborne noise



- Wall partition with 100mm Vibroflex-Wave metal stud, covered from both sides with 2 sheets of gypsum plasterboard, $R_w = 54$ dB
- Wall partition with 100mm Vibroflex-Wave metal stud, covered from both sides with 1 sheet of ZIPS-dB and 1 sheet of gypsum plasterboard, $R_w = 62$ dB