

AM BOARD – 10mm

AM Board (AMB) is a unique sound insulating board. Its efficiency is one of the most powerful, noise isolation technology, solutions. Among its advantages in addition to the unique acoustic properties are mainly vast hygienic and ecological purity, does not contain formaldehyde or other chemicals added. It is manufactured by patented technology and has all the necessary European Approvals.



Shape and size:

Dimension : 2400 x1200 x 10mm, 1200 x 800 x 10mm

Density:

850 kg / m³ +/- 5%

Acoustic parameters:

Airborne sound - $R_w = 32.4$ db

Improvement of impact sound - $\Delta L_w = 26-35$ db

Other properties:

Formaldehyde-free

Weight 8.5 kg / m²

Thermal conductivity - $\lambda = 0,196W / mK$

The ability to control air humidity

Treated HT (Heat Treatment) - resistant to mildew and pests

Environmentally friendly and recyclable material

Fire parameters - fire adjustment:

Flammability Class - B-s1, d0

Fire classification E30/ EI 30/ EW 30

Examples of use:

Finishing ceilings, floors and walls

Seamless application in wet processes

Floors - sound insulation - base layer under laminate, hardwood and other floor coverings

Assembly:

- Easy to handle

- Simple processing - cutting, drilling

- Installation on the grill (wood, steel profiles for plasterboard)

- Direct mounting

- Installing the absorption panel use: AMB fix foam

For more information visit www.acousticmaterials.ie

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Product: Acoustic board AMB 10mm thick

Description of the sample:

Size of the sample from in measuring opening 1425mm x 1200mm.

Board from recycled material Tetra-pack with protective paper foil.

Installation was carried out in accordance with CSN EN ISO 10140-1 (appendix D).

Manufacturer: Akustické materiály s.r.o. - Prague 10 Mounting date: 26.1.2015

Testing room: K4 → K3 Date of the test: 26.1.2015

Testing surface: 1.71 m²

Basis weight: 8.5kg/m²

Air temperature: 13.6 °C

Relative humidity: 44%

Atmospheric pressure: 1000 hPa

Volume of receiving room: 80.25 m³

Frequency Hz	R dB
50
63
80
100	23.7
125	23.7
160	20.1
200	21.8
250	23.1
315	25.7
400	25.4
500	26.1
630	27.6
800	29.7
1000	31.4
1250	33.2
1600	34.6
2000	35.7
2500	36.4
3150	36.6
4000	34.8
5000	33.0

