
MATERIAL DATA SHEET

Acoustic panel

1. Identification of the article

1.1 Identification of the article acoustic panel

1.2 Use of the article

Our acoustic panel fits greatly into spaces where low mounting height, excellent acoustics and speech clarity are needed. Our sheet is ecological, mold resistant and fits greatly into spaces where moisture can be a problem. Acoustic panel possess also excellent insulation characteristics. All this is combined together with a beautiful decorative outlook.

2. Hazards Identification

Acoustic panel does not present health or environmental hazards on account of its chemical, physical, toxicological and eco toxicological properties. The product is M1-classified and it has been tested for harmful VOC emission for internal air both in Healt Institute in Finland (VOC emission measurement TTL/156957/2011) and in RISE Research Institutes of Sweden AB (M1 Emission Classification of Building Materials: Protocol for Chemical and Sensory Testing of Building Materials”, ver 15.11.2017, after 28 days of conditioning regarding volatile organic compounds, carcinogenic compounds (EU Regulation No 1272/2008 Annex VI, cat 1A and 1B), formaldehyde, ammonia and sensory acceptability.)

3. Composition / information of the product, package and ingredients

Dimensions of acoustic sheet package:

Capacity: 0.162 m³

Weight: 11.2 kg

Length: 60 cm or 120 cm

Width: 60 cm

Height: 23 cm or 45 cm

Number of sheets: 20 pieces small sheets and 10 pieces big sheets

Overall square area of sheets: 7.2 m²

Acoustic sheet package consists of 10 or 20 pieces of acoustic sheets of which overall square area in 60 cm * 60 cm box is 7.2 m² and in 60 cm* 120 cm box 7.2 m². Sheets are cut to sizes of 59,4 cm * 59,4 cm or 59,4 cm * 119,4 cm in order to fit directly to suspended ceiling attachments.

Properties of acoustic sheet:

Sound absorption class: A (EN ISO 354 & EN ISO 11654)

M1 / CE classified

Fire resistance class: B (EN 13501-1:2018)

Thermal conductivity: 0,037 W/mK (standard EVS-EN 12667)

Acoustic panel is manufactured of raw materials directly from nature (surface peat/peat moss fiber) and of polyester. Peat moss can be found freely in the nature. Peat moss used is classified with levels 1 to 3 from surface depending on the degree of decomposition and as such is a safe raw material. Polyester is not classified by the regulation regarding classification and labeling of dangerous preparations and substances (see 67/548/EEC Directive).

Fire retardant substance used is FR viscose fiber. It is silica modified cellulosic barrier fiber and fully biodegradable. It offers a non-toxic and environmentally friendly FR solution and matches US Federal Mattress flammability standard 16 CFR Part 1633. Such products emit virtually no smoke and no toxic fumes and do not melt or flow when in contact with heat or flame.

Acoustic sheet comprises of peat (73%), polyester (20%) and FR viscose (7%). It is painted with M1/CE-classified paint.

4. Installation

Handling of our acoustic sheet is light and easy. Sheets can be installed with suspended ceiling system or by gluing it to a straight dry and clean surface. Also screws, nails and a proper double sided construction tape can be used. Glue can be regular construction glue. Our acoustic sheet can be cut. If the cutting surface remains visible it can be painted with a suitable color.

The best sound absorption will be reached with a suspended ceiling system. Here is a link to one installation video clip: <https://www.youtube.com/watch?v=oogrKAPYrLs>

5. Care

Acoustic sheet can be cleaned by vacuuming it tenderly with vacuum cleaner's brush part. Since sheet is porous powerful rubbing should be avoided.