

Eira™ 15 mm

Aesthetic ceiling absorbent suitable for T-system

Datasheet

Description

The plates are characterized by a very fine surface finish and is particularly suitable for rooms where the aesthetic impression is important.

The glass wool ceiling board (absorbent) is manufactured in accordance with EN 13964: 2014.

The plates' core consists of glass wool, the visible surface is coated with colored fiberglass tissue. The back is coated with transparent fiberglass tissue. The edges are sealed.

Color and light reflection

Light reflection up to 85 %. According to ISO 7724 and ISO 2813:1994.

The nearest white color code is RAL 9010.

Available in black color.

Installation

The plates are installed in traditional suspension system.

T-15 or T-24.

Edge type

Provide A-edge and E-edge (order item).

Acoustic - absorption

The sound absorption test is according to ISO 354. The plate is classified as Class A, and absorption coefficient (α_w) is calculated to 0,95 according to ISO 11654.

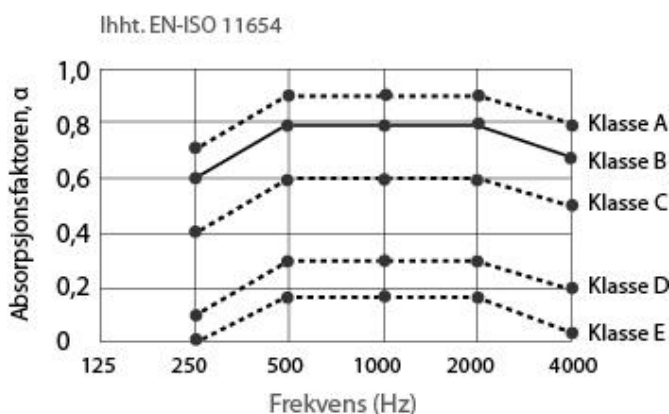
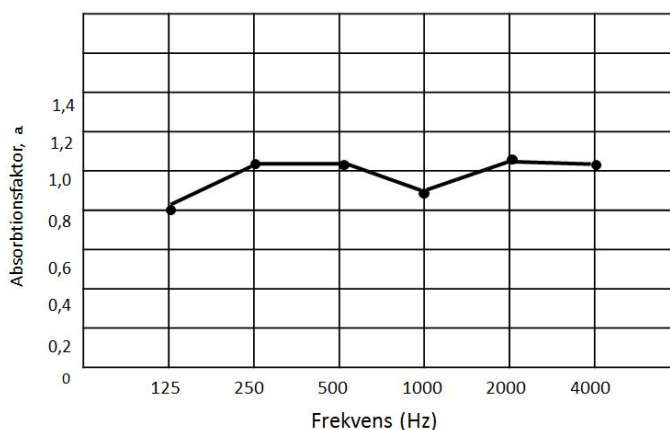
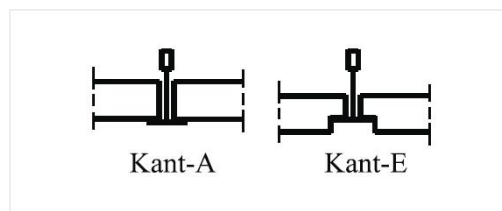
Fire class

The plate doesn't burn and tested according to EN 13501-1.

Fire class: **A2-s1,d0**.

Formaldehyde

Class E1 (Indoor product standard).



Moisture resistance

The plate is form stable at a relative humidity up to 90% and the temperature of 40°C.

Dimension and weight

15x593x593mm

15x593x1193mm

The weight of the plate is approx 1,85 kg/m²

Cleaning and maintenance

The surface of the plate can be cleaned of daily dust and can be wiped with a light damp cloth.

However excessive wiping should not cause surface damage, otherwise the plate will lose its performance.

Environment and availability

The raw material of the plate is fiberglass that made of recyclable glass. Packaging can be recycled. Garbage from the plates can be delivered to municipal landfills after the end of their life.

Antibacterial

The plate has edges and a surface that has been treated to eliminate bacteria and fungus/mould.

Resistance to fungus and mold has been tested in accordance with ASTM G 21-15. Resistance to

Escherichia Coli and Staphylococcus has been tested in accordance with ASTM E 2149-2013a.

Resistance to Staphylococcus Aureus ATCC 6538P, Escherichia Coli ATCC 8739 has been tested in accordance with ISO 22196:2011. Water-based glue that attaches the board's components individually is treated in the same way.

Thermal insulation

The absorbents have very good thermal insulation.

Laboratory tested according to EN 13964:2014 class 4.10 & EN 12664:2001.

Thermal conductivity = 0.033W/(m·K).



Issuer of CE certificate for the product

Element Materials Technology Rotterdam B.V.

Zekeringstraat 33, 1014 BV, Amsterdam

Netherlands

Notified body No. 2812

Date: 08/06/2020

Certificate No: 2812-CPR-BC5005

According to CE regulation: EN 13964:2014



The product is M1 certified

This means that the product has been tested according the strongest international requirements for exposure to and non use of toxic ingredients.

There are separate requirements for acoustic products and building materials that must be met in order to obtain an M1 certificate.



Issuer of M1 certificate for the product

The Building Information Foundation RTS sr
P.O.B 1004, FI-00101 Helsinki
Finland

EPD (Environmental Product Declaration)

The product has finished the LCA (Life Cycle Assessment) report and received EPD (Environmental Product Declaration):

test program: International EPD® systemet www.environdec.com

Programme operator: EPD internasjonale AB

Box 210 60, 100 31 Stockholm, Sweden

EPD registration number/report/certificate: S-P-08557

Date of publication: 06/03/2023

According to: EN 15804+A2 & ISO 14025 / ISO21930

System limit of A1-D (Cradle to Grave)



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Test Report

委托编号 Serial Number: GS22-200089

报告编号 Report Number: GS228-200094

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附件: 曲线图、测试图
Annex: Curve of test data , Test picture

1、曲线图 Curve of test data (Eira 15, 200 mm 空腔 Eira 15 with 200 mm airspace)

