

Frigg™ Hex 40 mm

Textile covered wall absorbent - sound absorber

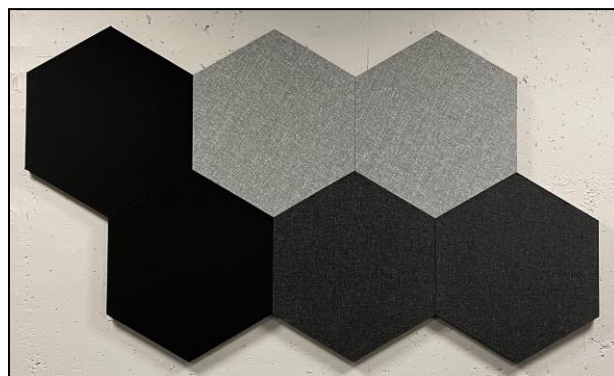
Datasheet

Description

The plate has been developed specifically with wall mounting in mind. The plate has a textile-covered structured surface and edges. The plate has a particularly good sound absorption and is very sound dampening. It has an impact-resistant surface and is robust. It is therefore very suitable for homes, offices and teaching environments, nurseries and general rooms with a lot of noise.

Colors

The plate is carried in white NCS S 0500-N, black NCS S 9000-N, light grey NCS S 5500-N, charcoal grey NCS S 8500-N, Beige NCS S 3010-Y40R, Green NCS S 3065-G40Y and Red NCS S 2570-Y90R.



Installation

The plates are mounted on the wall.

Normally attached with assembly glue, suspension bracket or screws.

NB! The plates do not fit into the traditional T-system.

Edge types

Edge: A.

Acoustics - absorption

The plate is classified as class A,

The absorption test has been carried out in accordance with ISO 354:2003 without air behind the plates. NRC = 0.90.

The absorption coefficient (α_w) is calculated to 0.95 according to ISO 11654.

See test results on pages 4 and 5.

Sound insulation

Rw = 12 dB according to ISO 717-1:2003.

Fire class

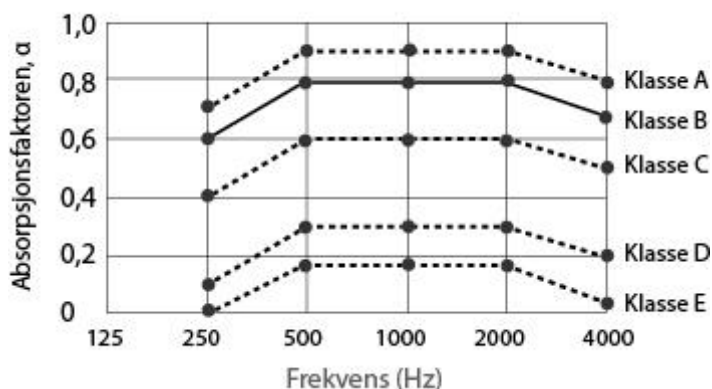
The absorbent complete: C-s2,d0 in accordance with EN 13501-1

Surface fabric: C-s2,d0 according to EN 13501-1

The glass wool core: A2-s1,d0 ref. EN 13501-1

Sound classes for absorbers

Ihht. EN-ISO 11654



The above shows sound classes in relation to Absorption coefficient.

Formaldehyd

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.

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.

Antibacterial

The plate has 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 ISO 20743:2013.

Dimension and weight

40x600x519mm, Actual sound absorbing area: 0.23 m².

Other sizes can be produced.

The weight of the plate is approx 5.00 kg/m².

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.

Transport information

The product is not classified as dangerous property.

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).

Thermal resistance = 1.191 (m²·K)/W.



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-KA5016

According to CE regulation: EN 13964:2014 and EN 15102:2007/A1:2011



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

Impact resistant:

The absorbent has been tested for impact resistance in class **1A** in accordance with EN13964, annex D and DIN 18032:2018-11. This is best possible for this type of product/material.



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)



Test Report

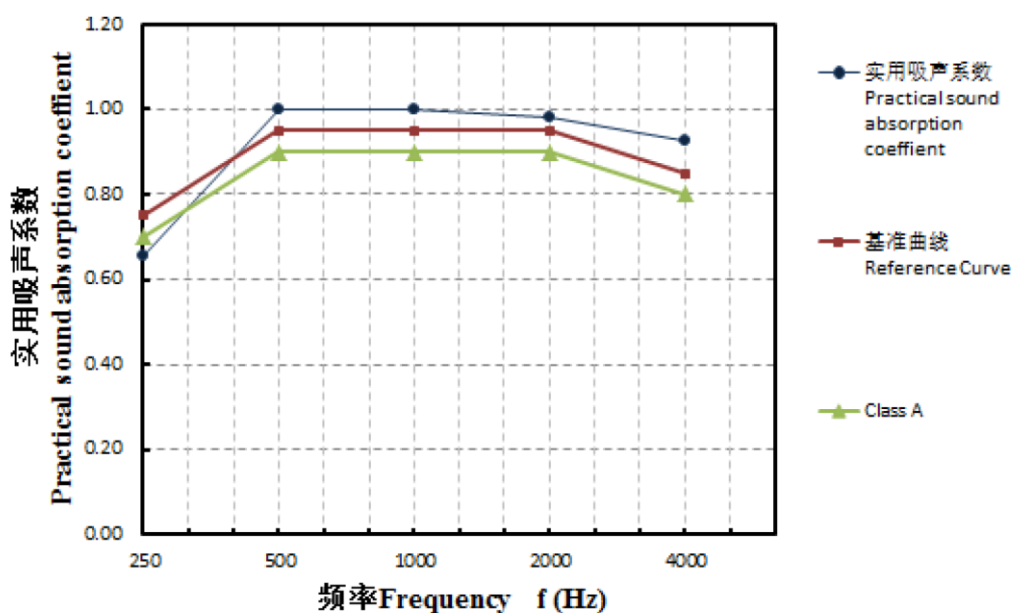
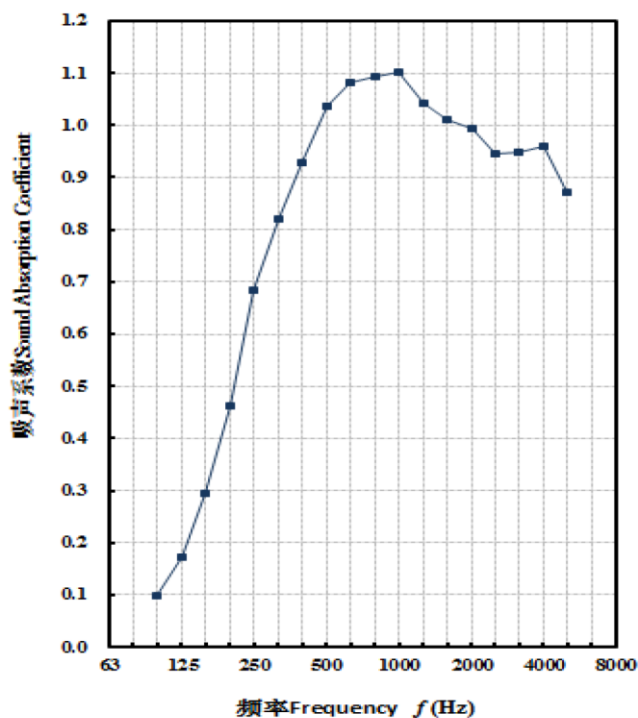
委托编号 Serial Number: GS22-200061

报告编号 Report Number: GS228-200065

第 3 页, 共 4 页 Page 3 of 4

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

1、曲线图 Curve of test data (Frigg 40, 0 mm 空腔 Frigg 40 with 0 mm airspace)



Test Report

委托编号 Serial Number: GS22-200060

报告编号 Report Number: GS228-200064

第 3 页, 共 4 页 Page 3 of 4

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

1、曲线图 Curve of test data (Frigg 40, 50 mm 空腔 Frigg 40 with 50 mm airspace)

