

Hugin™ Acoustic wall

Description

The partition is made of compressed glass wool and fire-retardant textile.

Manufactured in accordance with CE-EN 13964:2014 and EN 15102:2007/A1:2011.

The plates' core consists of glass wool with a density of 120kg/M³. The visible surface is coated with dyed textile. The back is coated with transparent fiber cloth. The edges are under the fabric sealed with water-based lime glue.

Feet and top list consist of powder-coated steel.

Assortment

See akustikkcenter.no

Standard colours: white NCS S 0500-N, black NCS S 9000-N, light gray NCS S 5500-N, charcoal gray NCS S 8500-N, Beige NCS S 3010-Y40R, Green NCS S 3065-G40Y and Red NCS S 2570-Y90R .

Cleaning

The plates withstand drying with a damp cloth, dust drying and vacuuming.

Environmental friendliness

Recyclable. Can be handed in normally waste landfill.

Indoor environment

Formaldehyde degassing is below the requirement that appears from in CE 13964:2014. Class E1.

Fire safety

The product 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.

Acoustics

The wall meets current CE requirements in accordance with GB/T

16731-1991 and EN-ISO 354:2003.

Classification according to EN-ISO 11654.

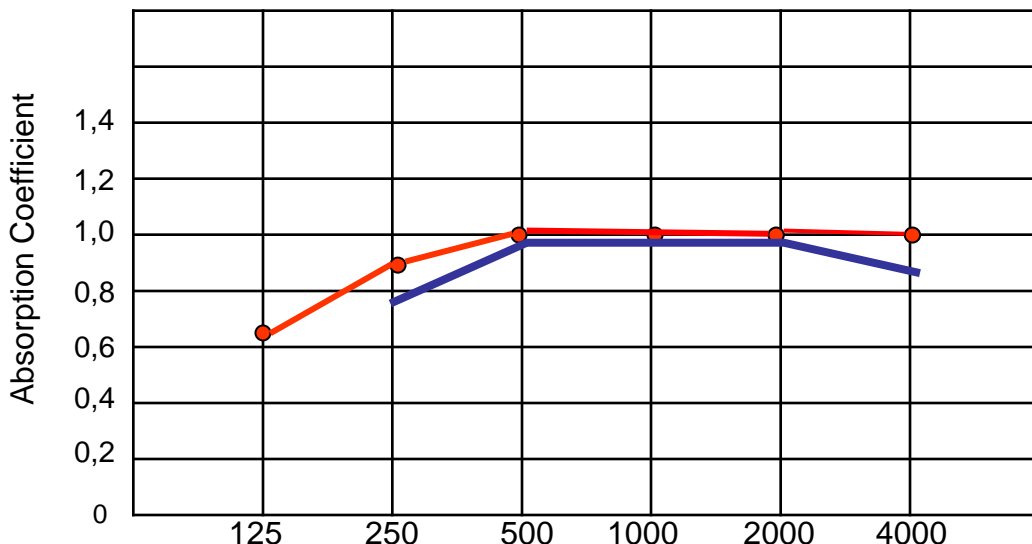
Classification:

Class A incl NRC = 0.95, $\alpha_w = 1.00$

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.

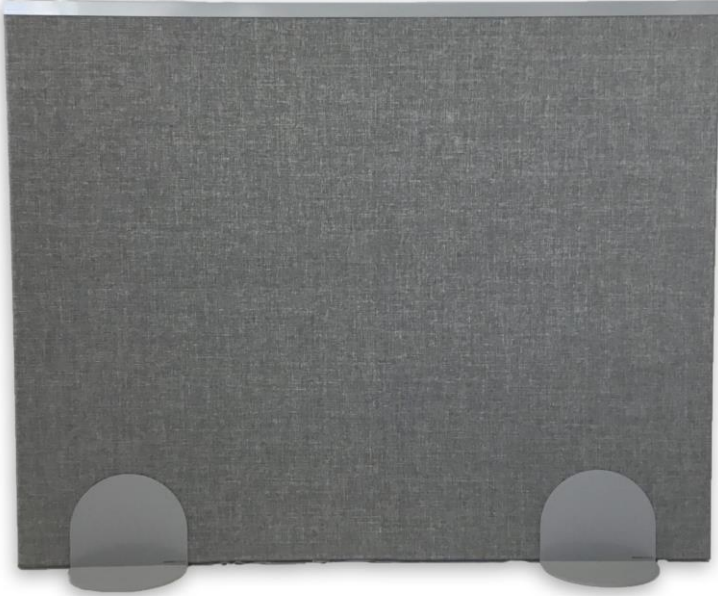
Sound absorption factor free-standing wall



● = frequency Hz, tested at distance from the ground = 1000mm

— = values above the blue line are Class A, values below are Class B or lower.

Sample images



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 regulations: 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:

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



Regarding EPD (Environmental Product Declaration):

The EPD (Environmental Product Declaration) certificate:

test program: The international EPD® system
www.environdec.com

Program operator: EPD internasjonale AB
Box 210 60, 100 31 Stockholm, Sweden
EPD registration number/report/certificate:
S-P-08557

Publication date: 06/03/2023

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

System limit from A1-D (Cradle to Grave)



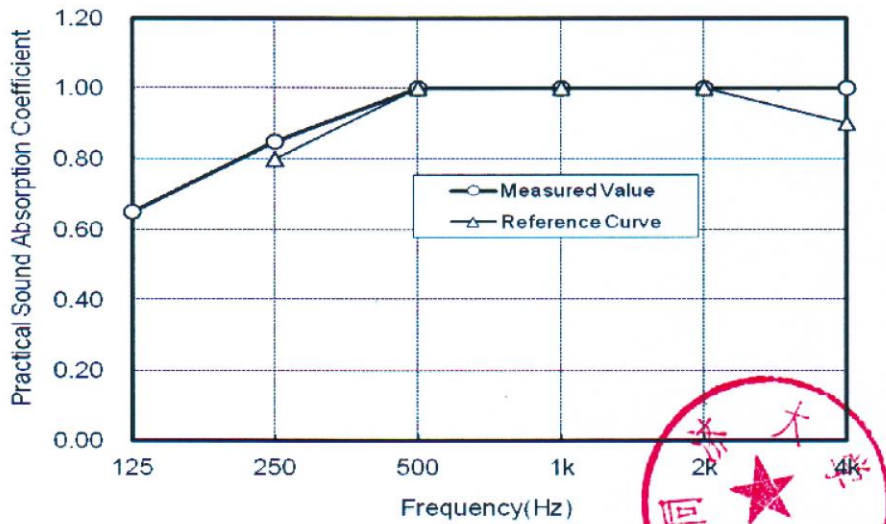
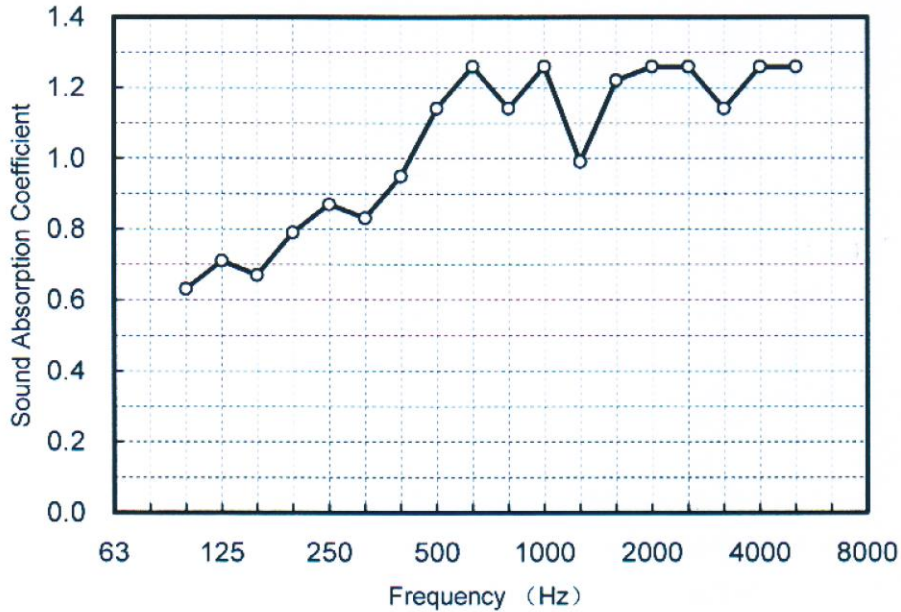
Laboratory measured sound absorption capacity per hertz range.

12. Test Results:

Frequency (Hz)	Absorption Coefficient α_s	Practical Absorption Coefficient α_p	Reference Absorption Coefficient
100	0.63	0.65	
125	0.71		
160	0.67		
200	0.79	0.85	0.80
250	0.87		
315	0.83		
400	0.95	1.00	1.00
500	1.14		
630	1.26		
800	1.14	1.00	1.00
1K	1.26		
1250	0.99		
1600	1.22	1.00	1.00
2K	1.26		
2500	1.26		
3150	1.14	1.00	0.90
4K	1.26		
5000	1.26		



Laboratory measured sound absorption capacity per hertz range, graphically.



13. Conclusion:

Noise Reduction Coefficient: **NRC = 0.95**

In accordance with GB/T 16731-1997, Sound absorption class is I.

In accordance with EN ISO 11654:1997, Weighted Absorption Coefficient, $\alpha_w=1.00$

Sound absorption class is A.

Tested by: Fangying ZHU, Huiming QIAN **Reviewed by:** Guorong JIANG

Guorong Jiang