

# Hugin™ Acoustic table screen

## Description

The table screen is produced from 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 120kgs/M<sup>3</sup>. 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. Fastening fittings 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 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.

## 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.

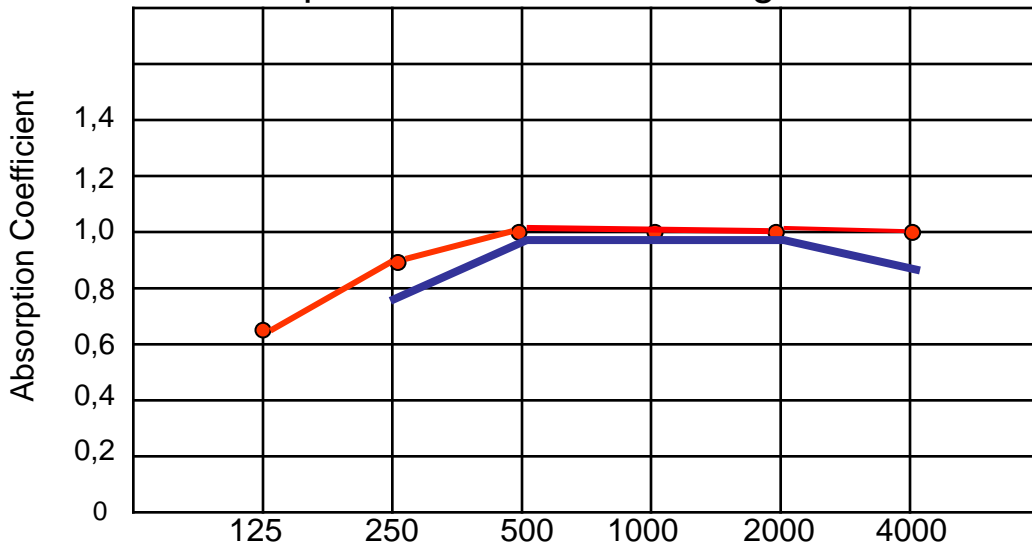
### Classification:

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

## Impact resistant

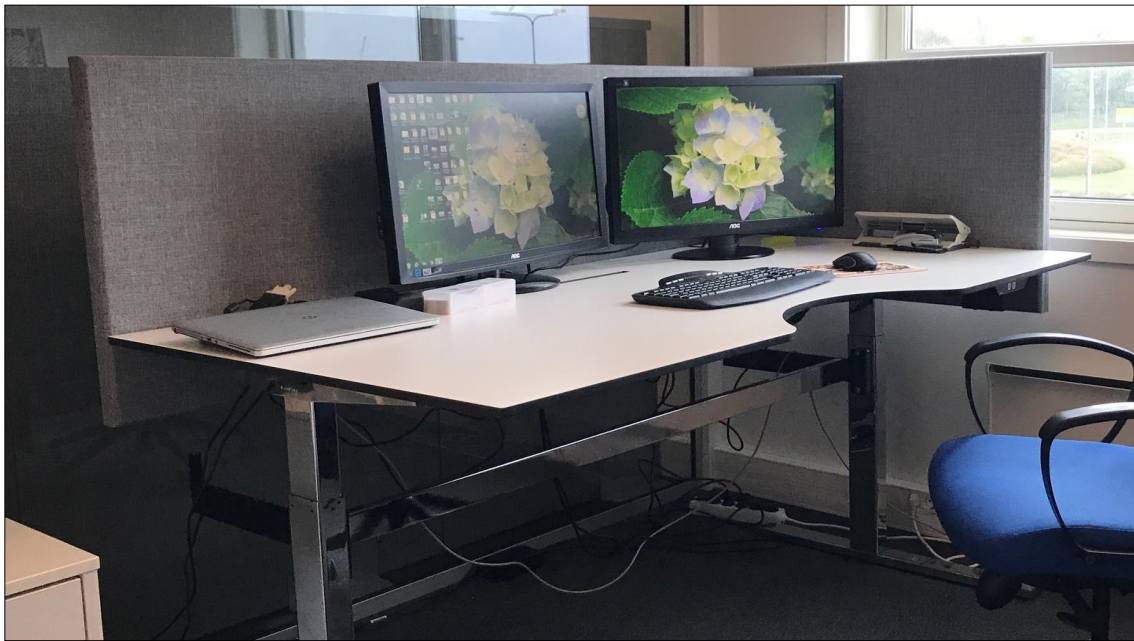
The plates that make up the screen have been tested for impact resistance in Class 1A according to EN13964, annex D and DIN 18032:2018-11. This is best possible for this type of product/material.

Sound absorption factor free-standing table screen/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.



**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 to 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](http://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)



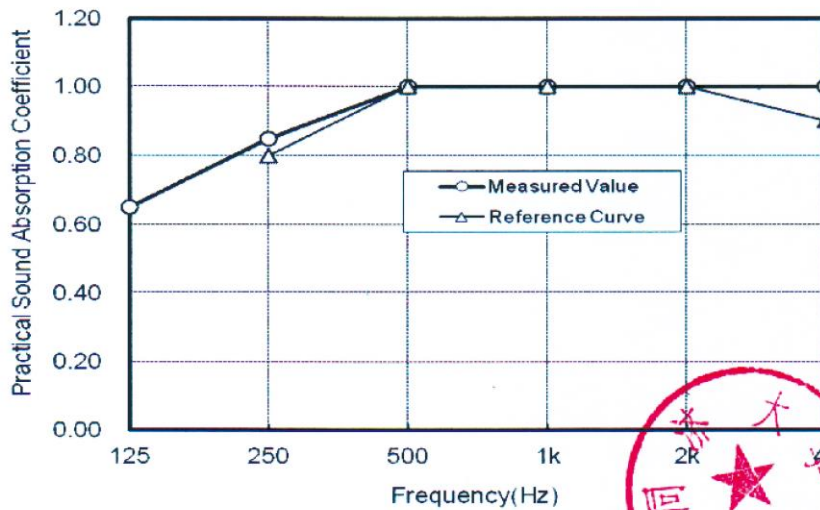
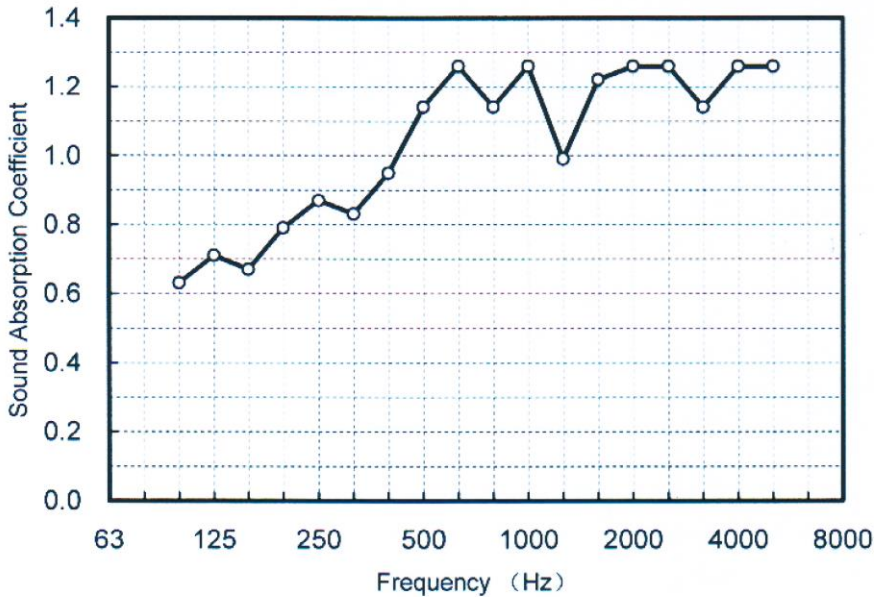
Laboratory measured sound absorption capacity per hertz range.

12. Test Results:

| Frequency (Hz) | Absorption Coefficient $\alpha_s$ | Practical Absorption Coefficient $\alpha_p$ | 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