

Datablad Lydabsorbent Robust

Beskrivelse

Lydabsorbenten har tekstil som ytre overflate. Overflaten er slagfast / robust nok til å egne seg i de fleste typer lokaler. Er godt egnet til å brukes i barnehager, skoler og gymsaler / idrettshaller.

Baksiden har transparent fiberduk og absorbenten kan ikke avgi støv. Kantene under tekstilet er forsterket med vannbasert kalklim.

Absorbenten har tekstil brettet rundt kantene som er avfaset. Platen kan enkelt monteres på vegg og har en tradisjonell strukturert overflate. Platen/absorbenten er produsert med en kjerne av glassull som er et meget lydabsorberende materiale. Det som kjennetegner et lydabsorberende materiale er at det har en porøs overflate og ofte også er porøst inni (gjerne med mye fibre) og med mye luft. Når lyden treffer lydabsorbenten skal materialet gjøre om lydbølgene til varme.

Lydabsorbent veggpanel i tekstil 40mm. Finnes i ulike størrelser og farger.



Platene er produsert for direktemontering på vegg.

Ettersom de ikke er tilpasset nedsenkede himlingssystemer, skal de heller ikke oppfylle den harmoniserte standarden EN 13964 eller CE-merkes*

Miljøvennlighet: Resirkulerbar. Kan innleveres på vanlig avfallsdeponi.

Brannklassifisering: B

(EN 13501-1:2018)

Branntest utført i henhold til:

- EN 13501-1:2018 Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests. And the test methods as following:

1. EN 13823:2020 Reaction to fire tests for building products. Building products excluding floorings exposed to the thermal attack by a single burning item.
2. EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test.

Testen er utført av:

SGS-CSTC Standards Technical Services Co, Ltd. Anji Branch.
Rapport: AJFS 2207005548 RS, GZN 2206000079 CM

Festemiddel: Skruer, eller lim for direktemontering. Platene passer ikke inn i tradisjonelle, nedsenkede himlingssystemer.

Rengjøring / Vedlikehold: Lydabsorbentene tåler tørking med fuktet klut og støvsugning.

En meget pen absorbent som kan brukes i rom hvor det er høye krav til estetiske løsninger.

Hvit absorbent er godt egnet til trykk for lydpendende bilder.

Nyttig informasjon: Når absorbenten brukes som oppslagstavle reduseres evnen til å absorbere lydenergien og det vil i de fleste tilfeller svekke absorberingen.

Perforert / veldig tynt papir eller tynnere tekstiler vil opprettholde absorbering.

Tegnestift – tynne nåler er mest egnet for feste. Ikke kitt som vil sette merke over tid.

*Kilde: Direktoratet for Byggkvalitet

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III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA _{0.2M} (W/s)	3	8.1
	FIGRA _{0.4M} (W/s)		8.1
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR _{600s} (MJ)		1.1
	SMOGR _A (m ² /s ²)		2.5
	TSP _{600s} (m ²)		10.7
EN ISO 11925-2 Exposure = 30 s	Whether vertical flame spread (Fs) in excess of 150 mm within 60s (Yes/No)	6	No
	Ignition of the filter paper (Yes/No)		No

IV. Classification and field of application

a) Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

b) Classification

The product, Acoustic fabric wall panels (provided by client), in relation to its reaction to fire behaviour is classified:

Fire behaviour	Smoke production	Flaming droplets
B	s 1	d 0

Reaction to fire classification: B—s1, d0

Remark: The classes with their corresponding fire performance are given in annex A.



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Produkt:	Lydabsorbent Robust 40mm
Produktkode:	80XXX - Robust serie
Tiltenkt anvendelse:	Direktemontert lydabsorbent / himlings- og veggplate for innvendig bruk. Ikke tilpasset nedsenkede himlingsystemer
Materialbruk:	Glassfiber/glassull, tekstil
Produsent:	Shandong Huamei Building Materials Co, Ltd. China
Importør:	Trigonor AS, Solgaard Skog 2, 1599 Moss, Norge, +47 69 27 90 10 trigonor.no
Teknisk kontrollorgan:	SGS-CSTC Standards Technical Services Co, Ltd. Anji Branch Rapport: AJFS 2207005548 RS, CZN 2206000079 CM

VESENTLIG EGENSKAP	METODE	RESULTAT
<i>Reaksjon på brann:</i>	EN 13501-1:2018	B-s1,d0
<i>Lydabsorbering α_w</i>	EN ISO 354:2003	0.85 (H) Class B
<i>Bøystrekkfasthet</i>	<i>Ikke relevant</i>	<i>Ikke relevant</i>
<i>Mottakelighet for vekst av skadelige mikroorganismer, under fuktige forhold</i>	<i>Ikke relevant</i>	<i>Ikke relevant</i>
<i>Mottakelighet for vekst av skadelige mikroorganismer, via termisk isolering</i>	<i>Ikke relevant</i>	<i>Ikke relevant</i>
<i>Holdbarhet</i>	<i>Ikke relevant</i>	<i>Ikke relevant</i>
<i>Varmeledningsevne (λ, D, W/mK)</i>	<i>Ikke relevant</i>	<i>Ikke relevant</i>
<i>Miljøvennlighet</i>	Resirkulerbar. Kan innleveres på vanlig avfallsdeponi.	



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Testrapport brannsikkerhet



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CNAS L4743

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Trigonor AS

Solgaard skog 2, 1599 Moss, Norway

Sample Name: ACOUSTIC FABRIC WALL PANELS

SGS Ref No.: TJRS2022070677

Style/Item No.: 80XXX-ROBUST SERIES, SEVERAL SIZES

Color: GRAY, DARK GRAY, BLACK AND WHITE

Density: 110KG/CBM

Thickness: 40mm

Composition: FIBERGLASS, FABRIC

Material: FIBERGLASS, FABRIC

Supplier: Trigonor AS

Buyer: Trigonor AS

Manufacturer: SHANDONG HUAMEI BUILDING MATERIALS CO., LTD

P.O. / Ref No.: HMLE220045K

Country of Destination: NORWAY

End Use Application: WALL DECORATION

Agent: Trigonor AS

The above sample(s) was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

Test Requested:

EN 13501-1:2018 Fire classification of construction products and building elements— Part 1: Classification using data from reaction to fire tests.

Test Results: -- See attached sheet --

Test Period:

Sample Receiving Date : JUL.14, 2022

Test Performing Date : JUL.14, 2022 TO JUL.21, 2022

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

Allen Zou
Approved Signatory

scan to see the report



AJFS2207005548RS



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Testrapport lydabsorpsjon

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TEST REPORT

No. : CZIN2206000079CM

Date : Jul 13, 2022

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CUSTOMER NAME: TRIGONOR AS
ADDRESS: SOLGAARD SKOG 2, 1599 MOSS, NORWAY

Sample Name : ACOUSTIC FABRIC WALL PANELS
Material : fiberglass, fabric
Color : gray, dark gray, black and white
Density : 110KG/CBM
Thickness : 40mm
Composition : fiberglass, fabric
Style/Item No. : 80XXX-Robust series. Several sizes
P.O./Ref No. : HMLE220092K
Supplier : Trigonor As
Manufacturer : Shandong Huamei Building Materials CO., LTD
Buyer : Trigonor As
Country of Destination : Norway
End use application : wall decoration
Agent : Trigonor As

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Test Required : Sound Absorption Coefficient
SGS Ref. No. : SHIN2206016799CM, TJRS2022060620
Ref. Standard : EN ISO 354:2003
Date of Receipt : Jun 27, 2022
Testing Start Date : Jun 27, 2022
Testing End Date : Jul 05, 2022
Test Result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Service (Changzhou)Co., Ltd.

Tiffany Liu
Authorized signatory



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TEST REPORT

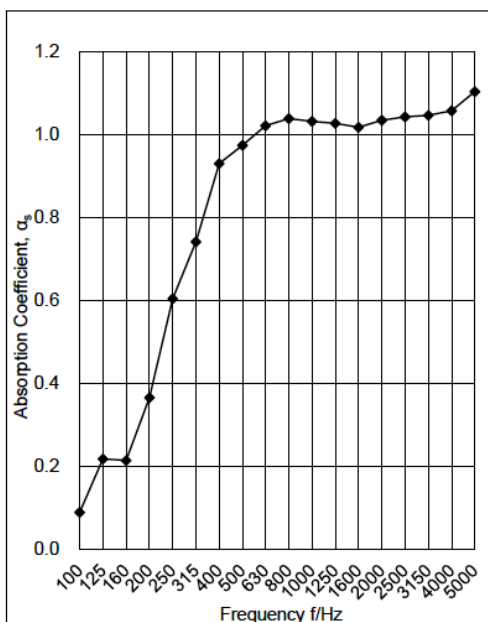
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IV. Test Result

Frequency Hz	Absorption Coefficient, α_s
100	0.09
125	0.22
160	0.21
200	0.37
250	0.60
315	0.74
400	0.93
500	0.97
630	1.02
800	1.04
1000	1.03
1250	1.03
1600	1.02
2000	1.03
2500	1.04
3150	1.05
4000	1.06
5000	1.10
$\bar{\alpha}_s$	0.81
NRC	0.90



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Frequency/Hz	Reference Curve	Practical Sound Absorption Coefficient, α_p	Weighted Sound Absorption Coefficient, α_w	Sound Absorption Classes
125	/	0.15	0.85 (H)	Class B
250	0.65	0.55		
500	0.85	0.95		
1000	0.85	1.00		
2000	0.85	1.00		
4000	0.75	1.00		

