

Datablad Lydabsorbent Solid

Beskrivelse

Lydabsorbentene har en kjerne av glassull og overflate av glassfiberfilt av høy kvalitet. Platen har en struktur overflate med kantforsegling.

Har meget god lydabsorpsjon, høy lysrefleksjon og egner seg derfor godt til skoler, barnehage og kontor.

Platene er produsert for direktemontering tak. 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: A1
(EN 13501-1:2007+A1:2009)

Brannsikkerhet: Platene er ikke brennbare og testet i hht EN 13501-1:2007+A1:2009 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests.

1. EN 13823:2010+A1:2014 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item.

2. EN ISO 1182:2010 Reaction to fire tests for building products — Non-combustibility test.

3. EN ISO 1716:2010 Reaction to fire tests for building products — Determination of the heat of combustion.

Testen er utført av SGS-CSTC Standards Technical Services Co.

Rapport nr. XMIN180901795CCM

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

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

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



Utdrag testrapport

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III. Test results

Test method	Parameter	Number of tests	Results
EN 13823	FIGRA _{0.2MJ} (W/s)	3	0.0
	FIGRA _{0.4MJ} (W/s)		0.0
	LFS < edge of specimen		Yes
	THR _{600s} (MJ)		0.4
	SMOGR _A (m ² /s ²)		21.1
	TSP _{600s} (m ²)		41.8
	Flaming particles or droplets		No
EN ISO 1182 ^a	T/K	5	13.6
	m/%		30.40
	t/s		0
EN ISO 1716	PCS/ MJ/kg ^a	3	-
	PCS/ MJ/m ² ^b		0.84
	PCS/ MJ/m ² ^d		-
	PCS/ MJ/kg ^e		-

IV. Classification and direct field of application

This classification has been carried out in accordance with EN 13501-1:2007+A1:2009.

a) Classification

The product, Fiberglass Ceiling, classification is as following.

Reaction to fire classification: A1

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

Datablad Lydabsorbent Solid

Produkt:	Lydabsorbent Solid 40mm
Produktkode:	80003X - Solid serie
Tiltenkt anvendelse:	Direktemontert lydabsorbent / himlings- og veggplate for innvendig bruk. Ikke tilpasset nedsenkede himlingsystemer
Materiealbruk:	Glassfiber/glassull
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. Xiamen Branch Rapport: XMIN180901795CCM

VESENTLIG EGENSKAP	METODE	RESULTAT
Reaksjon på brann:	EN 13501-1:2007+A1:2009	A1
Lydabsorbering α_w	EN ISO 354:2003	0.90 (H) Class A
Bøystrekkfasthet	Ikke relevant	Ikke relevant
Mottakelighet for vekst av skadelige mikroorganismer, under fuktige forhold	Ikke relevant	Ikke relevant
Mottakelighet for vekst av skadelige mikroorganismer, via termisk isolering	Ikke relevant	Ikke relevant
Holdbarhet	Ikke relevant	Ikke relevant
Varmeledningsevne (λ_D , W/mK)	Ikke relevant	Ikke relevant
Miljøvennlighet	Resirkulerbar. Kan innleveres på vanlig avfallsdeponi.	

Signert for og på vegne av produsent ved:
Erik Engen, Daglig leder Trigonor



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Testrapport brannsikkerhet

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CUSTOMER NAME: SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
ADDRESS: LUOZHANG DISTRICT, LINYI CITY, SHANDONG PROVINCE, CHINA

Sample Name : FIBERGLASS CEILING
Color : White
Density : 110kg/m³
Thickness : 20mm
Composition : Fiberglass
Style/Item No. : HM-F01
P.O./Ref No. : HM20180810
Manufacturer : SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
Supplier : SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
Sample testing surface : Front
Intended use : Suspended ceiling membrane component for use internally in buildings

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 : EN 13964:2014 Suspended ceilings - Requirements and test methods
SGS Ref. No. : SHIN180902767CCM, AJFS1808008352RS, CANMLC1819003301, CANMLC1819003303
Date of Receipt : Sep.06, 2018
Test Period : Sep.06, 2018 to Oct.29, 2018
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)

***** To be continued*****

Signed for
SGS-CSTC Standards Technical
Services Co. , Ltd Xiamen Branch
Testing Center

Civi Huang

Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Center Construction Material Laboratory

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Testrapport lydabsorpsjon

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CUSTOMER NAME: SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
ADDRESS: LUOZHUANG DISTRICT, LINYI CITY, SHANDONG PROVINCE, CHINA

Sample Name : FIBERGLASS CEILING
Color : White
Density : 110kg/m³
Thickness : 20mm
Composition : Fiberglass
Style/Item No. : HM-F01
P.O./Ref No. : HM20180810
Manufacturer : SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
Supplier : SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
Sample testing surface : Front
Intended use : Suspended ceiling membrane component for use internally in buildings

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 : EN 13964:2014 Suspended ceilings - Requirements and test methods
SGS Ref. No. : SHIN180902767CCM, AJFS1808008352RS, CANMLC1819003301, CANMLC1819003303
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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)

***** To be continued*****

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd Xiamen Branch
Testing Center

Civi Huang

Authorized signatory



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Xiamen Branch Testing Center Commercial Construction Material Laboratory

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Summary of Result(s):

No.	Test Item	Test Method	Result
1	Thermal conductivity	EN 12664:2001 Heat meter flow method	0.033 W/(m·K)
2	Reaction to fire (Membrane components)	EN 13501-1:2007+A1:2009	Classification: A1
3	Asbestos	NIOSH 9002:1994 and NIOSH 9000:1994, Analysis was performed by PLM and XRD	Negative (means the absence of asbestos)
4	Formaldehyde	EN 717-1:2004, analysis was performed by UV-Vis	Not detected
5	SVHC	SGS In-House method GZTC- CHEM-TOP-092-01, GZTC-CHEM- TOP-092-02, Analyzed by ICP OES, UV VIS, GC MS, HPLC DAD/MS and Colorimetric Method	Pass
6	Sound absorption	EN ISO 354:2003 EN ISO 11654:1997	$\alpha_w = 0.90$

Note:

1. The test item 1 was carried out by SGS-CSTC Standards Technical Services (Shanghai)Co., Ltd;
2. The test item 2 was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch;
3. The test 3~5 were carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.
4. The test 6 was carried out by Center for Building Environment Test, Tsinghua University

***** To be continued*****



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Xiamen Branch Testing Center commercial construction Material Laboratory

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TEST REPORT

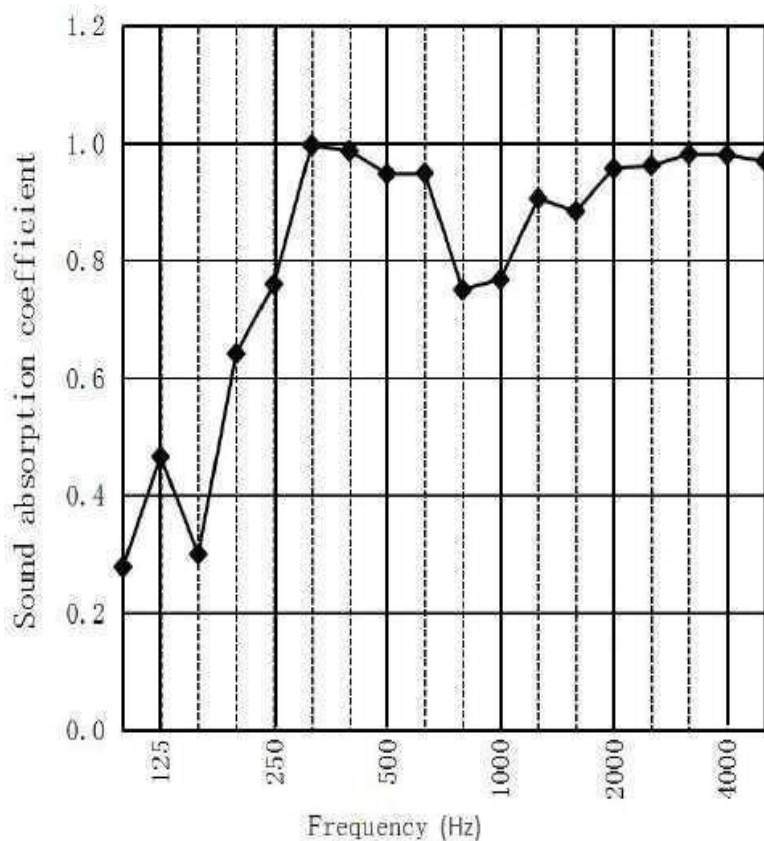
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Appendix 1:

f Hz	α_s
100	0.28
125	0.47
160	0.30
200	0.64
250	0.76
315	1.00
400	0.99
500	0.95
630	0.95
800	0.75
1000	0.77
1250	0.91
1600	0.88
2000	0.96
2500	0.96
3150	0.98
4000	0.98
5000	0.97
α_w	0.90



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VERIFICATION OF CONFORMITY

No. IN-XM-CP-5612-18069

It has been stated that the construction product
FIBERGLASS CEILING

Intended use: Suspended ceiling membrane component for use internally in buildings

produced in the manufacturing plant and placed on the market by
SHANDONG HUAMEI BUILDING MATERIALS CO., LTD
LUOZHANG DISTRICT, LINYI CITY, SHANDONG PROVINCE, CHINA

is submitted by the manufacturer to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the third party- SGS-CSTC Standards Technical Services Co., Ltd. has performed the determination of the product type as required for Regulation 305/2011/EU and the assessment and verification of conformity at system 4.

This verification attests that all provisions concerning assessment of constancy of performance at system 4 and the performances described in Annex ZA of the standards

EN 13964:2014 Suspended ceilings - Requirements and test methods

were applied and that the relevant test report No. is **XMIN180901795CCM**

This verification is customer voluntary act and refers to the tested samples only-type representative of the tested product. The manufacturer is obligated to apply factory production control.

This verification is valid from Oct.29, 2018 until Oct.28, 2021 and remains valid as long as the manufacturing conditions in the plant or the factory production control itself are not modified significantly.

Issued since Oct.29, 2018

Authorised by

Signer
Manager

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