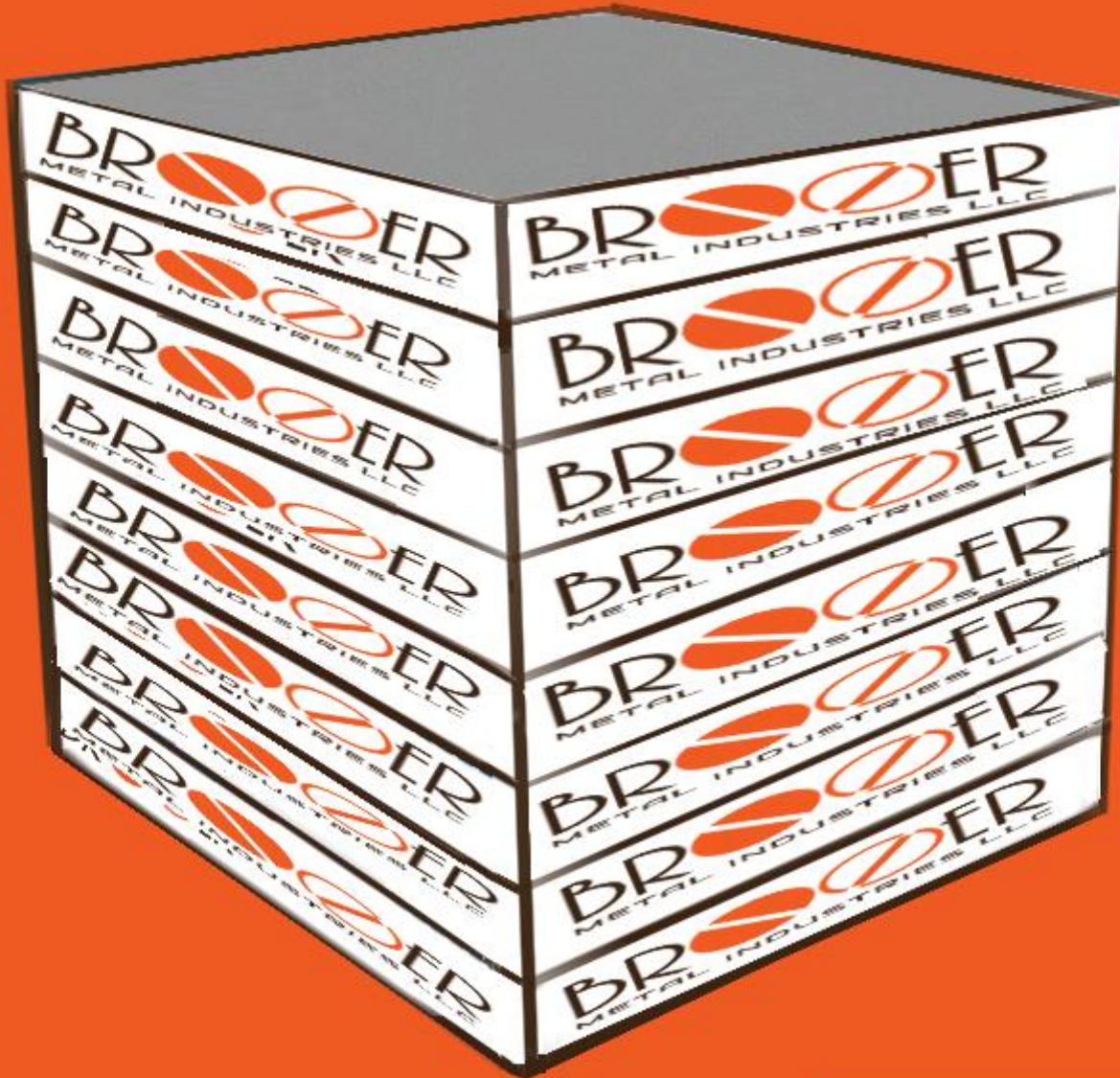


**LOOKING FOR A BETTER
&
FASTER CEILING SOLUTION**



BROOER



Vinyl Laminate
Gypsum Ceilings Tiles

BROOER TILE

Vinyl Laminate Gypsum Ceiling Tiles

BROOER Gypsum Ceiling Tiles comes in a wide variety of decorative vinyl laminates, which are recognized in providing aesthetic appearance along with the long lasting and low maintenance.

BROOER can also be supplied with polished Aluminum foil backing. The aluminum foil backing on the ceiling tiles increase the thermal insulation properties and additionally provides a protective vapor barrier in high humidity areas and it can reflect radiation of 95%.

Features

- No Asbestos Or Other Carcinogenic Substances
- Prevents Heat Penetration & Provides Effective Vapor Retardant
- Washable Surfaces, Resists Stain and Abuse
- Lighter, Smoother & More Uniform
- Non-Combustible, & Fire Resistant
- Provides Good Light Reflection.
- Quick & Easy To Install



Available in Tapped Edge

Product Specification

THICKNESS	METRIC SIZE (mm)	IMPERIAL (mm)	PACKING
7.5mm	600 x 600	603 x 603	8 pcs / CTN
9mm	600 x 600	603 x 603	8pcs / CTN
9mm	600 x 1200	603 x 1206	8pcs / CTN
12mm	600 x 600	603 x 603	8pcs / CTN
12mm	600 x 1200	603 x 1206	8pcs / CTN

Technical Information

INDUSTRIAL STANDARD	BS 1230 and ASTM C 36
NON SAGGING	Pro Tiles are resistant to warping buckling
FIRE PROTECTION	Non-combustible (class O) when tested in accordance with the standard of BS 476 part 6 and 7
LIGHT REFLECTANCE	Light reflectance not lower than 75% (LR 1 when tested in accordance with the standard of ASTM E 1477
THERMAL ANALYSIS	ASTM C – 168 (Heat Transfer Coefficient: 0.22 W/m K)

BROOER TILE VINYL LAMINATE



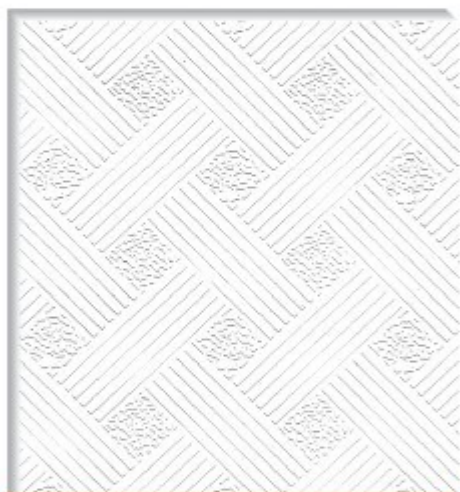
NEW SHADE



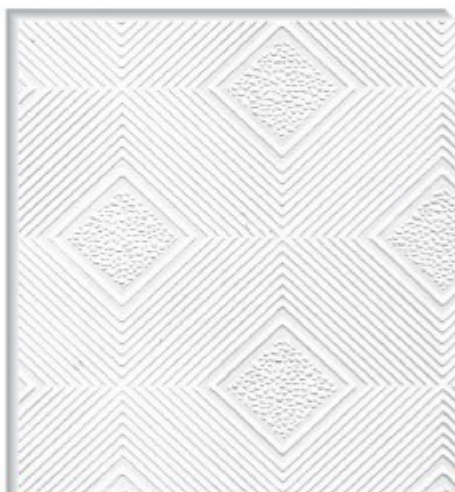
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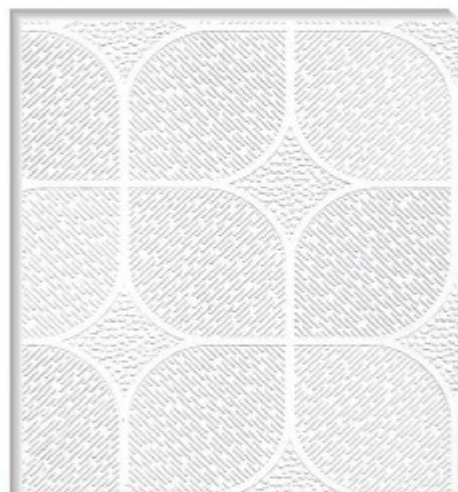
ELEFOIL



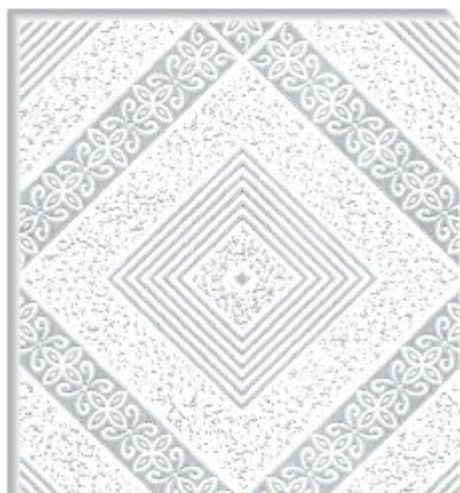
SAFARI



ISLAMIC



PEARL



INDUS



AXIS



SAPPHIRE

Test Report

No. : CX/ 2020/B0072 Date : 2020 /01/17 Page : 1 of 4



The following sample(s) was/were submitted and identified by/on behalf of the client as:

Sample Description : GYPSUM CEILING TILE
Sample Receiving Date : 2020 /01/05
Testing Period : 2020 /01/05 TO 2020 /01/16

Test Result(s) : Please refer to next page(s).



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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Test Report

No. : CX/2020/B0072 Date : 2020/01/17 Page : 2 of 4



Test Result(s)

PART NAME No.1 : GRAYISH WHITE LUMP

Test Item (s):	Unit	Method	MDL	Result
				No.1
Strontium Sulfide (SrS)	%	Qualitative Analysis of SrS crystalline substance by XRD and element analysis of EDXRF.	0.5	Negative
Asbestos				
Actinolite (CAS No.: 077536-66-4)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative
Amosite (CAS No.: 012172-73-5)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative
Anthophyllite (CAS No.: 077536-67-5)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative
Chrysotile (CAS No.: 012001-29-5)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative
Crocidolite (CAS No.: 012001-28-4)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative
Tremolite (CAS No.: 077536-68-6)	%	With reference to CNS 13970 method. Analysis was performed by PLM.	1	Negative

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit
3. Negative = Undetectable / Positive = Detectable
4. This report supersedes the previous document bearing the test report number CX/2020/B0072 which was issued on 2020/01/16.

2020

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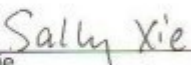
BROOER METAL INDUSTRIES L.L.C.
NATIONAL INDDUSTRIES PARK JEBEL ALI DUBAI U.A.E.

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : GYPSUM CEILING TILE
Sample Number : SC110120019
SGS Ref No. : TJHG201100001
Test Required : Please see the next page(s)
Test Method : Please see the next page(s)
Style/Item No. : #991 (#996, #997, #155, #568, #574, #575, #573, #572, #576, #580)
Supplier : GREENTEAM GLOBAL CO., LTD
Country of Original : CHINA
Manufacturer : QINGDAO LAMMAS BUILDING MATERIAL CO., LTD
Date of Receipt : Jan. 07, 2020
Test Period : Jan. 07, 2020 to Jan. 26, 2020
Test result(s) : For further details, please refer to the following page(s)

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

Signed for SGS-CSTC Standards
Technical Services (Shanghai) Co., Ltd


Sally Xie
Authorized signatory

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SHML 235860

SGS Technical Services (Shanghai) Co., Ltd
No. 69, Block 1199, East Kang Qiao Road, Pudong District, Shanghai, China 201319

Tel: (86-21) 61196300 Fax: (86-21) 68183122/68183920 www.cn.sgs.com
中国·上海·浦东康桥东路1159弄69号 邮编: 201319 Tel: (86-21) 61196300 Fax: (86-21) 68183122/68183920 e: sgs.china@sgs.com

Test Conducted:

1. EN 520:2004 Gypsum plasterboards – Definitions, requirements and test Method
2. EN 12664:2001 Thermal Performance of Building Materials and Products - Determination of Thermal Resistance by Means of Guarded Hot Plate and Heat Flow Meter Method - Dry and products of medium and low Thermal Resistance
3. EN ISO 354:2003 Acoustics-Measurement of sound absorption in a reverberation room.

I. Length, Width and Thickness

Test Method: EN 520:2004 Clause 5.2, 5.3 and 5.4

No.	Length (mm)			Width (mm)			Thickness (mm)					
Sample 1	603	603	603	603	603	603	7.9	7.9	7.8	7.9	7.9	7.8
Average	603			603			7.9					
Sample 2	606	606	606	604	604	604	8.0	7.9	7.8	7.9	8.1	7.9
Average	606			604			7.9					
Sample 3	604	604	604	603	603	603	8.0	8.1	7.9	7.9	7.9	8.0
Average	604			603			8.0					

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

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II. Flexural Strength (Flexural Breaking Load) and Deflection under Load

Test Method: EN 520:2004 Clause 5.7 and 5.8

No.	Length (mm)	Width (mm)	Thickness (mm)	Flexural Breaking Load (N)	Deflection (mm) under the Load of 100N
Sample 1	400	300	7.9	380	4.28
Sample 2	399	300	7.8	357	3.78
Sample 3	400	300	7.8	354	3.72
Sample 4	400	300	7.9	374	3.91
Sample 5	401	300	7.8	376	3.64
Sample 6	401	300	7.9	340	4.05
Average	/	/	/	364	3.90

Note: It is difficult to discriminate longitudinal specimens and transverse specimens.

III. Density

Test Method: EN 520:2004 Clause 5.11

No.	Density (kg/m ³)
Sample 1	0.9 × 10 ³
Sample 2	0.9 × 10 ³
Sample 3	0.9 × 10 ³
Sample 4	0.9 × 10 ³
Sample 5	0.9 × 10 ³
Sample 6	0.9 × 10 ³
Average	0.9 × 10 ³

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

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TEST REPORT

Report No. : TB-14-01696ZA

Page No. : 1 OF 4

Date : May 21, 2020

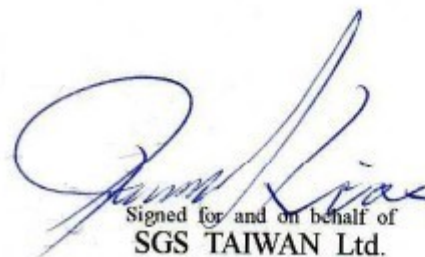
Project : SELF EVALUATION
 Client :
 Contractor : BROOER METAL INDUSTRIES L.L.C
 Supplier : -----
 Sample : Gypsum Ceiling Tile
 Submitted By : GREENTEAM GLOBAL CO., LTD.-洪智賢
 Received Date : May 10, 2020
 Tested Date : May 10, 2020-May 21, 2020
 Remark : The information mentioned in the above section is provided by client
 (Exclude tested date)

=====
 Test Results :

Item of Test	Test Results	Test Method
Moisture Content (%)	0.3	CNS 4458(2008)

----- 1 -----

The required specification(s) offered in this test report is/are for reference only.
 The conformity judgment is at the Applicant's final verdict.



Signed for and on behalf of
 SGS TAIWAN Ltd.

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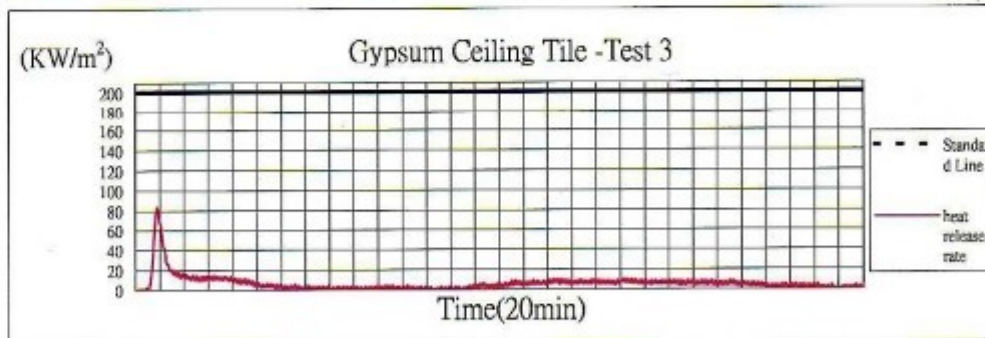
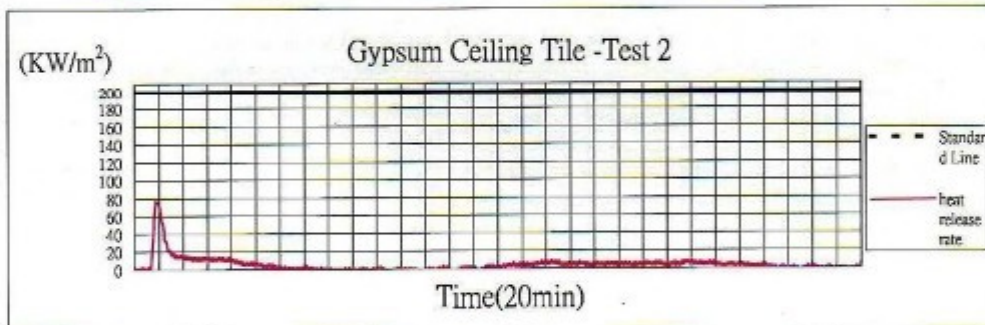
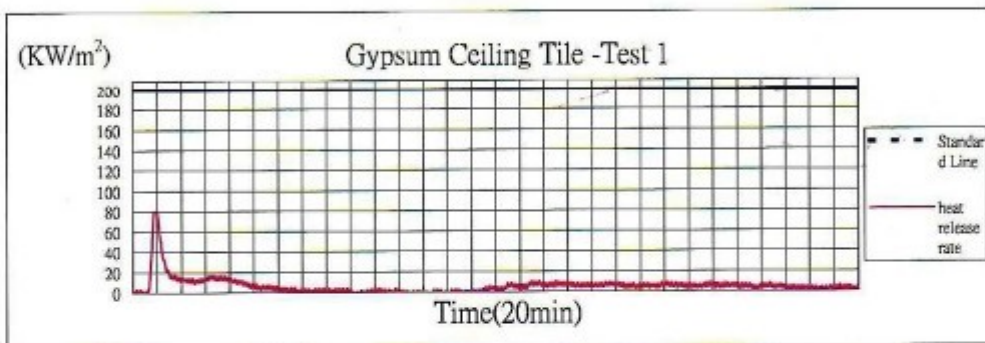
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TEST REPORT

Project : SELF EVALUATION
 Client : BROOER METAL INDUSTRIES LLC
 Contractor : -----
 Supplier : -----
 Sample : Gypsum Ceiling Tile
 Submitted By : GREENTEAM GLOBAL CO., LTD.-洪智賢
 Received Date : May 10,2020
 Tested Date : May 10,2020 -May 21,2020
 Remark : The information mentioned in the above section is provided by client(Exclude tested date)

Report No. : TB-14-01696ZA
 Page No. : 4 OF 4
 Date : May 21,2020

Test Results :



Note1 : Moisture Content have accredited by TAF.

Note2 : This test report is an extra issued one of TB-14-01696Z.

-----oOo-----

The required specification(s) offered in this test report is/are for reference only.

The conformity judgment is at the Applicant's final verdict.

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[Signature]
 Signed for and on behalf of
SGS TAIWAN Ltd

TWA0502697