

TEST REPORT

in accordance with

EN 12467:2012 has been prepared by Technical Committee CEN/TC 128 "Roof covering products for discontinuous laying and products for wall cladding", the secretariat of which is held by IBN, and approved by CEN on 21 May 2004. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

ONEKIN MGO BOARD

M/N: 600 × 600 × 12MM

Category: C

placed on market and manufactured by

CHENGDU ONEKIN GREEN BUILDING MATERIALS CO.,LTD
TIANFU SECOND STREET, HIGH-TECH AREA, CHENGDU,
SICHUAN, CHINA.

Report No.

: LSH13090159E

Tested by

: Leading Testing International (Shanghai) Co.,Ltd.

No. C2203, Shenzhen Highway 6000, Shanghai,
201612, P.R.China

Date of Test

: Sep. 4, 2013 to Oct. 10, 2013

TEST REPORT

Report No.: LSH13090159E

Issue Date: Oct. 10, 2013
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Applicant : CHENGDU ONEKIN GREEN BUILDING MATERIALS CO.,LTD
Add. of Applicant : TIANFU SECOND STREET, HIGH-TECH AREA, CHENGDU,
SICHUAN, CHINA

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

Sample Name : ONEKIN MGO BOARD
Style/Item No. : 600×600×12 MM
Category : Category C
Fire Reaction : Class A1
Manufacturer : CHENGDU ONEKIN GREEN BUILDING MATERIALS CO.,LTD

Sample Receiving Date : Sep. 04, 2013

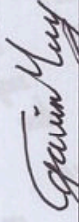
Testing Period : Sep. 06, 2013 to Oct. 10, 2013

Test Requested : As requested by applicant, to determine related wheel properties in accordance with EN 12476:2012.

Test Conclusion : For details, Refer to following pages.

*For and on behalf of*

Leading Testing International (Shanghai) Co., Ltd.

Gavin May/Mei Guozhu
Laboratory Manager -LTI/SH

**TEST CONDUCT: FIBRE-CEMENT FLAT SHEETS – PRODUCT SPECIFICATION
AND TEST METHODS (EN 12467:2012)**

I. Test Result:

No.	Test Items	Unit	Requirements (Level II, Category C)	Test Results	Verdict
Dimensions and tolerances					
1	Tolerances on Length	mm	±4mm	2.3	P
2	Tolerances on Width	mm	±4mm	2.1	P
3	Tolerances on Thickness	%	-10%e ~ +15%e (textured sheet)	-6.9	P
4	Tolerances on Straightness of Edges	%	≤0.3%	0.2	P
5	Tolerances on Squareness of Edges	%	≤4mm/m	2.5	P
Physical requirements and characteristics					
6	Apparent Density	g/cm ³	≥1.0	1.1	P
7	Modulus of Rupture ¹ (MOR)	MPa	≥16 (Class 4)	16.9	P
8	Water impermeability	—	N/A	N/A	—
Durability requirements					
9	Warm Water(R _L)	—	≥0.75		
10	Soak-Dry((R _L) (25cycles)	—	≥0.75	0.79	P
11	Freeze-Thaw(R _L)	—	N/A	N/A	—
12	Heat-Rain(R _L)	—	N/A	N/A	—
13	Water Vapour Permeability ² (μ)	—	N/A	N/A	—

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No.	Test Items	Unit	Requirements (Level, II, Category C)	Test Results	Verdict
Fire and safety					
14	Reaction to Fire ³	—	A1	A1	P
15	Formaldehyde Release	mg/L	≤1.5 (Class F1)	0.3	P
Additional Property testing					
16	Impact properties ⁴	kJ/m ²	—	5.6	N/A
17	Water absorption ⁴	%	—	18.1	N/A
18	Thermal resistance	W/(m·K)	—	0.161	N/A

Remark:

- ¹ Conditioning procedure: ambient condition 10 days;
- ² ⁴ is water vapour resistance factor; testing condition C;
- ³ A1 is the declaration Value, which do not need to be tested according to clause 7.5.1;
- ⁴ additional properties tested in accordance with ISO 396-1;
- Impact resistance tested in accordance with EN 12939;
- Test results were only responsible for sample(s) submitted by applicant;
- "P"= Pass, denotes the item conforms to the requirements in related standard(s);
 "N/A", denotes not applicable in accordance with EN 12467:2012

*****To be Continue*****

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**TEST CONDUCT: FIBRE-CEMENT FLAT SHEETS – PRODUCT SPECIFICATION
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II. Annex



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Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.

