

VERIFICATION OF CONFORMITY

No. IN-GZ-CP-5627-26025

It has been stated that the construction product

WPC wall panel

Intended use: **Internal finishes of walls under system 4**

placed on the market by
CHONGQING HUIGONG MACHINERY MANUFACTURING CO., LTD.
 (MOUJIA VILLAGE, GROUP 4) INDUSTRIAL PARK, BAISHIYI TOWN, JIULONGPO DISTRICT, CHONGQING, CHINA
 and produced in the manufacturing plant
CHONGQING HUIGONG MACHINERY MANUFACTURING CO., LTD.
 (MOUJIA VILLAGE, GROUP 4) INDUSTRIAL PARK, BAISHIYI TOWN, JIULONGPO DISTRICT, CHONGQING, 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 type testing or type calculation described in Annex ZA of the standard **EN 15102:2007+A1:2011** was applied and that the relevant test report no. is **GZIN2602000267CM01_EN**.

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.

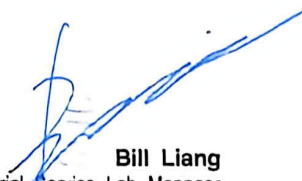
This verification is valid from **Mar. 30, 2026** until **Mar. 29, 2029** and remains valid as long as the manufacturing conditions in the plant or the factory production control itself are not modified significantly.

The general principles set out in Article 30 of Regulation (EC) No 765/2008 shall apply to the CE marking. The CE marking shall be affixed to those construction products for which the manufacturer has drawn up a declaration of performance.

Issue 1. Verified since Mar. 30, 2026

Authorised by




Bill Liang
 Southern District Industrial Service Lab Manager

SGS-CSTC Standards Technical Services Co., Ltd.
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TEST REPORT

No.: GZIN2602000267CM01_EN

Issue Date: 2026-03-26

Page: 1 of 7

CUSTOMER NAME: CHONGQING HUIGONG MACHINERY MANUFACTURING CO.,LTD.
ADDRESS: (MOUJIA VILLAGE, GROUP 4) INDUSTRIAL PARK, BAISHIYI TOWN,
JIULONGPO DISTRICT, CHONGQING, CHINA

Sample Name : WPC wall panel

Manufacturer : CHONGQING HUIGONG MACHINERY MANUFACTURING CO.,LTD.

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.

Date of Receipt : 2026-02-03

Testing Period : 2026-02-03~2026-02-12

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 and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Tobby

Tobby Yang

Authorized signatory

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GZIN2602000267CM01

Verification:
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Formaldehyde Release	EN 15102:2007+A1:2011 Section 4.2 & EN 12149:1997 test C, analysis was performed by UV-Vis.	ND	Pass
2	Migration of heavy metals and certain other elements	EN 15102:2007+A1:2011 Section 4.3.1 & EN 12149:1997 test A, analysis was performed by ICP-OES.	ND	Pass
3	Vinyl Chloride Monomer(VCM)	EN 15102:2007+A1:2011 Section 4.3.2 & EN 12149:1997 test B, analysis was performed by HS-GC-MS.	ND	Pass
4	Thermal Conductivity and Thermal Resistance	EN 15102:2007+A1:2011 Clause 4.5 & EN 12667:2001 Heat Flow Meter Method	See Result	N/A

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
N/A : Not Apply to the judgment.



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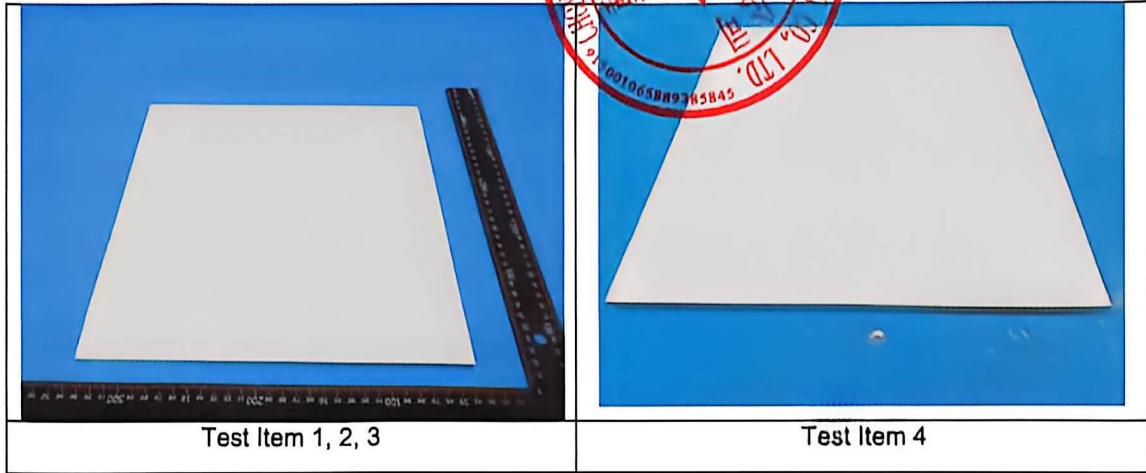
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Original Sample Photo:



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Test Item 1: Formaldehyde Release

Sample Description: See photo

Test Method: EN 15102:2007+A1:2011 Section 4.2.8, EN 12149:1997 test C, analysis was performed by UV-VIs.

Test Result:

Test Item(s)	Limit	Unit(s)	MDL	001
Formaldehyde Release	120	mg/kg	20	ND
Conclusion	Pass			

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated



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Test Item 2: Migration of heavy metals and certain other elements

Sample Description: See photo

Test Method: EN 15102:2007+A1:2011 Section 4.3.1 & EN 12149:1997 Test A, analysis was performed by ICP-OES.

Test Result:

Test Item(s)	Limit	Unit(s)	MDL	001
Soluble Arsenic(As)	25	mg/kg	5	ND
Soluble Barium(Ba)	500	mg/kg	10	ND
Soluble Cadmium(Cd)	25	mg/kg	5	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND
Soluble Mercury(Hg)	20	mg/kg	5	ND
Soluble Lead(Pb)	90	mg/kg	5	ND
Soluble Antimony(Sb)	No upper limit	mg/kg	5	ND
Soluble Selenium(Se)	165	mg/kg	10	ND
Conclusion				Pass

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated



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Test Item 4: Thermal Conductivity and Thermal Resistance

Test Method: EN 15102:2007+A1:2011 Clause 4.5 & EN 12667:2001 Heat Flow Meter Method

Test Condition:

Specimen: 298mm×297mm×7.9mm, 1pc

Mean temperature: 23°C

Temperature difference: 20°C

Test Result:

Test Item	Test Result
Thermal Conductivity	0.128 W/(m·K)
Thermal Resistance	0.062 (m²·K)/W

Note:

1. The test result can not be compared with other results obtained from different test conditions, and should not be cited to the use condition directly.

*Test Item was carried out by other laboratory in SGS group.

Appendix information:

1. Projects/parameters 1-3 testing address: 198 Kezhu Road, Science City, Economic & Technology Development Area, Guangzhou, Guangdong.
2. The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc., and just for internal reference.
3. Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specified limits or specifications without considering the measurement uncertainty.

*****End of report*****



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TEST REPORT

No.: GZIN2602000267CM05_EN

Issue Date: 2026-03-10

Page: 1 of 5

CUSTOMER NAME: CHONGQING HUIGONG MACHINERY MANUFACTURING CO.,LTD.
ADDRESS: (MOUJIA VILLAGE, GROUP 4) INDUSTRIAL PARK, BAISHIYI TOWN,
JIULONGPO DISTRICT, CHONGQING, CHINA

Sample Name : WPC wall panel

Manufacturer : CHONGQING HUIGONG MACHINERY MANUFACTURING CO.,LTD.

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.

Date of Receipt : 2026-02-03

Testing Period : 2026-02-03 ~ 2026-03-10

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 and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Tobby

Tobby Yang

Authorized signatory

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TEST REPORT

No.: GZIN2602000267CM05_EN

Issue Date: 2026-03-10

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I. Test conducted

This test was conducted as per 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+A1:2022 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.

II. Details of classified product

Sample Description	WPC wall panel
Thickness	8.0 mm
Area density	6.60 kg/m ²

Mounting and fixing:

Test substrate was calcium silicate board meets the requirement of EN13501-1 of Class A2-s1,d0 with density of 900 kg/m³ and thickness of 10mm.

Specimen was installed on the substrate by screw and had no joints. Specimen had a distance of at least 80mm from the backing board.

III. Test results

Test methods	Parameter	Number of tests	Results
EN 13823	FIGRA _{0.2MJ} (W/s)	3	127.0
	FIGRA _{0.4MJ} (W/s)		127.0
	Whether lateral flame spread (LFS) to the edge of specimen (Yes/No)		No
	THR _{600s} (MJ)		10.8
	SMOGRA (m ² /s ²)		86.1
	TSP _{600s} (m ²)		459.6
	Flaming particles or droplets (Yes/No)		No
EN ISO 11925-2 Exposure = 30 s	F _s ≤150mm within 60 s (Yes/No)	12	Yes
	Ignition of the filter paper (Yes/No)		No

Note:

FIGRA_{0.2MJ} - Fire growth rate index at THR threshold of 0,2 MJ [W/s]

FIGRA_{0.4MJ} - Fire growth rate index at THR threshold of 0,4 MJ [W/s]

THR_{600s} -Total heat release within 600 s [MJ]



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SMOGR - Smoke growth rate [m^2/s^2]

TSP_{600s} - Total smoke production within 600 s [m^3]

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, WPC wall panel (as described by the sponsor), in relation to its reaction to fire behaviour is classified:

Fire behaviour		Smoke production		Flaming droplets
C	—	s	3	d 0

Reaction to fire classification: C—s3, d0

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

c) Field of application

This classification is valid for the following product parameters:

— Characteristics as described in section II of this test reports.

This classification is valid for the following end use applications:

— With all substrates classified as A1 or A2

— With mechanically fixing

— No joint

Limitations

This classification document does not represent type approval or certification of the product.

Warning:

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Statement:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



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Annex A

Classes of reaction to fire performance for construction products excluding floorings and linear pipe thermal insulation products

Class	Test method(s)	Classification criteria	Additional classification
B	EN 13823 and	$FIGRA_{0.2MJ} \leq 120$ W/s and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 7.5$ MJ	Smoke production ¹ and Flaming droplets/particles ⁹
	EN ISO 11925-2 ¹ Exposure =30s	$F_s \leq 150$ mm within 60 s	
C	EN 13823 and	$FIGRA_{0.4MJ} \leq 250$ W/s and $LFS < \text{edge of specimen}$ and $THR_{600s} \leq 15$ MJ	Smoke production ¹ and Flaming droplets/particles ⁹
	EN ISO 11925-2 ¹ Exposure=30s	$F_s \leq 150$ mm within 60 s	
D	EN 13823 and	$FIGRA_{0.4MJ} \leq 750$ W/s	Smoke production ¹ and Flaming droplets/particles ⁹
	EN ISO 11925-2 ¹ Exposure=30s	$F_s \leq 150$ mm within 60 s	
E	EN ISO 11925-2 ¹ Exposure =15s	$F_s \leq 150$ mm within 20 s	flaming droplets/particles ^h
F	EN ISO 11925-2 ¹ Exposure = 15 s	$F_s > 150$ mm within 20 s	

¹ s1 = $SMOGR_A \leq 30 \text{ m}^2/\text{s}^2$ and $TSP_{600s} \leq 50 \text{ m}^2$; s2 = $SMOGR_A \leq 180 \text{ m}^2/\text{s}^2$ and $TSP_{600s} \leq 200 \text{ m}^2$; s3 = not s1 or s2

⁹ d0 = No flaming droplets/ particles in EN 13823 within 600 s;

d1 = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s;

d2 = not d0 or d1.

Ignition of the paper in EN ISO 11925-2 results in a d2 classification.

^h Pass = no ignition of the paper (no classification);

Fail = ignition of the paper (d2 classification).

^l Under conditions of surface flame attack and, if appropriate to the end-use application of the product, edge flame attack.



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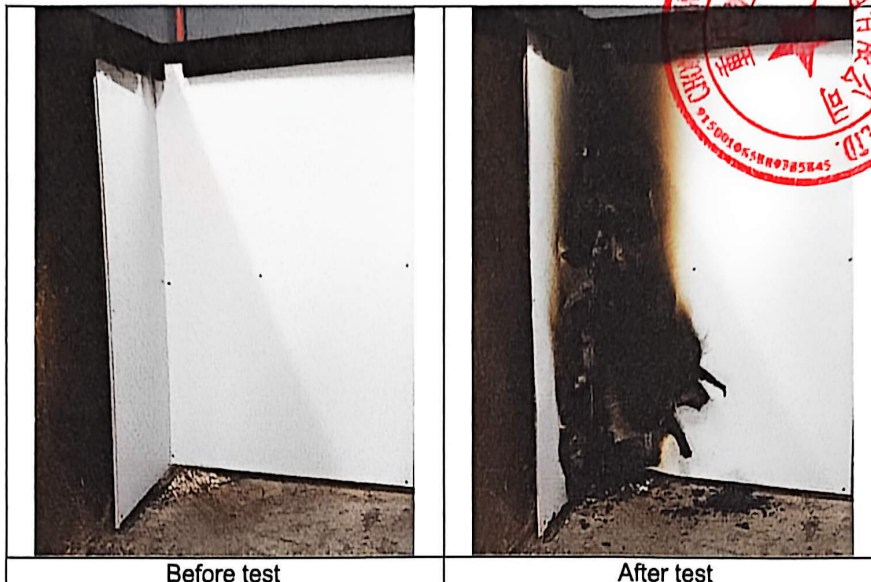
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TEST REPORT

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Photo Appendix:



Before test

After test

SGS authenticate the photo on original report only

*Test Item was carried out by other laboratory in SGS group.

Appendix information:

The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc., and just for internal reference.

*****End of report*****



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