



حلول المباني المستدامة
Sustainable Building Solutions

PHOMI

Econic Clay Certificates



SAHRJAH UAE
Maleha Road

WWW.SBSPHOMI.AE
+971 6 573 5397
+971 50 2098319

ATTESTATION OF CONFORMITY

ISSUED TO	: SUSTAINABLE BUILDING SOLUTIONS TR Industrial area 18, Maleha road, Sharjah, UAE
PRODUCT(S) DESCRIPTION	: Econic clay coverings 3D-TECH series For wall covering under system 4
MANUFACTURED BY	: PHOMI MCM CO., LTD. 15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU
APPLICABLE STANDARD SPECIFICATIONS / REQUIREMENTS	: EN 15102:2007+A1:2011
CONFORMITY CERTIFICATE DETAILS	:
CERTIFICATE NUMBER	: IN-GZ-CP-5627-21032
CERTIFICATE TITLE	: VERIFICATION OF CONFORMITY
ISSUED BY	: SGS-CSTC Standards Technical Services Co., Lid. Guangzhou Branch
ISSUED TO	: PHOMI MCM CO., LTD 15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU
EVALUATION REPORT NO	: RA24062277

ATTESTATION

Dubai Central Laboratory Department hereby attests that the product(s) described above conforms to the requirements of the applicable standard specifications / requirements.

This attestation is based solely on the review and verification of the validity and authenticity of the Product Conformity Certificate and as per Evaluation Report as mentioned above. **This attestation shall not be used when the Product Conformity Certificate becomes invalid at any time.**

Manager-Certification and Quality Control of Products Section
Dubai Central Laboratory Department



Attestation No: VA24060183
Original Issue Date: 28-06-2024
Current Issue Date: 28-06-2024
Valid Up To: 27-06-2025

*This Attestation of Conformity is in accordance with Certification Scheme Type N as described in ISO/IEC 17067:2013
"Conformity assessment – Fundamentals of product certification and guidelines for product certification schemes."*

*This Attestation is an electronic document and shall not be reproduced except in full. Any alteration shall invalidate this document.
The Evaluation Report mentioned above including its attachments forms an integral part of this Attestation.*

	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	
	Document Title:	VERIFICATION AND ATTESTATION SERVICE - EVALUATION REPORT	عنوان الوثيقة:	
	Doc Ref.	DM-DCLD-F-IC-6003	رقم الوثيقة:	

DETAILS OF APPLICATION AND PRODUCT:

DATE:	19-06-2024
VAS EVALUATION REPORT NO.	RA24062277
VAS APPLICATION NO.	AP24060301
APPLICANT NAME	SUSTAINABLE BUILDING SOLUTIONS TR
PRODUCT DESCRIPTION	Econic clay coverings 3D-TECH series Used : For wall covering under system 4
MANUFACTURED BY	PHOMI MCM CO., LTD.

DETAILS OF VERIFICATION AND EVALUATION:

DOCUMENT(S) VERIFIED	VERIFICATION DETAILS	RESULT	REMARKS
Verification of Conformity (No. IN-GZ- CP-5627-21032)	Confirmation email from SGS	The Certificate is valid and applicable to the product and the standard specification mentioned.	Conforms to the requirements of EN 15102:2007+A1:2011

FINAL RECOMMENDATION

It is hereby recommended to grant the Attestation Certificate to the applicant.

This recommendation is based on the full compliance with the requirements in the DM-DCLD-RD-DP33-6001 "General Rules for Verification and Attestation Service.

EVALUATED BY

Name: NEDA'A AL-AWADHI

Date: 27-06-2024

NOTED & APPROVED BY

Manager - Certification and Quality Control of
Products Section

Date: 27-06-2024

* This is an electronic document. No signatures are required.

** Attachments: Verification of Conformity (No. IN-GZ-CP-5627-21032)

Date of Issue : 29/04/2024	Rev. No.: 06
Level of Confidentiality / درجة السرية: Confidential / سري	Page 1 of 1

SHARED – SECRET / مشترك – سري

VERIFICATION OF CONFORMITY

No. IN-GZ-CP-5627-21032

It has been stated that the construction product

Econic clay coverings 3D-TECH series

Description of the product(s):

Intended use: **For wall covering under system 4**

placed on the market by

PHOMI MCM CO., LTD

15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU

and produced in the manufacturing plant

PHOMI MCM CO., LTD

15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU

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 **CANMLC2120687003, CANMLC2120687004**

This verification is customer voluntary act and refers to the tested samples only-type representative of the tested product.

The relevant quality management system certificate no. is **15720Q20477R0S**, the manufacturer is obligated to apply factory production control.

This verification is valid from **Jan. 19, 2022** until **Jan. 18, 2025** 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 Jan. 19, 2022

Authorised by



IN-GZ-CP-5627-21032


Guangzhou Branch Manager

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
No.198, Kezhu Road, Sciencetech Park, Economic and Development District, Guangzhou, China 510663
t +86 (0)20 8215 5555 f +86 (0)20 8207 5080
email Industrial.China@sgs.com website www.sgs.com



VERIFICATION OF CONFORMITY

No. IN-GZ-CP-5627-21032

It has been stated that the construction product

Econic clay coverings 3D-TECH series

Description of the product(s):

Intended use: **For wall covering under system 4**

placed on the market by

PHOMI MCM CO., LTD

15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU

and produced in the manufacturing plant

PHOMI MCM CO., LTD

15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU

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 **CANMLC2120687003, CANMLC2120687004**

This verification is customer voluntary act and refers to the tested samples only-type representative of the tested product. The relevant quality management system certificate no. is **15720Q20477R0S**, the manufacturer is obligated to apply factory production control.

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Issue 1. Verified since Jan. 19, 2022

Authorised by



IN-GZ-CP-5627-21032

Tim Xie
Guangzhou Branch Manager

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BUREAU VERITAS
Certification



Product Carbon Footprint Verification Statement

is awarded to
PHOMI HOLDING CO., LTD.

Verified product: Econiclay Covering

Functional/Declared unit: 1 m² Econiclay Covering and 1 kg Econiclay Covering (Size: 1200mm×600mm×3mm; Weight : 3.9kg/ m²; Packaging material weight: 118.8 g/m²)

System boundary: The life cycle (from cradle to grave) process GHG emission of 1 m² / 1kg Econiclay Covering produced in PHOMI MCM CO., LTD., including upstream raw material acquisition and production, raw material transportation, core production and downstream product transportation, product utilization and disposal process.

Reporting period verified: 1/1/2023 to 31/12/2023

Production Company: PHOMI MCM CO., LTD.

Production address: No.9 Zhijiang Road, Overseas Chinese Investment Zone, Laibin City, Guangxi Zhuang Autonomous Region, China

Re-verification conditions: Re-verification shall be applied when Greenhouse Gas emissions in life cycle of the product has 5% or more than 5% planned changes or has more than 10% unplanned changes, and these changes continue for more than 3 months.

Bureau Veritas Certification (Beijing) Co., Ltd.

certifies that above organization has conducted Greenhouse Gas verification of product carbon footprint in accordance with the requirements of the standard detailed below, and verification data are reasonable measurement and calculation.

ISO 14067: 2018

Greenhouse Gas emission in life cycle of 1 m² Econiclay Covering product (from cradle to grave): 1.02 kgCO₂e

Greenhouse Gas emission in life cycle of 1 kg Econiclay Covering product (from cradle to grave): 0.26 kgCO₂e

Statment No.: EMI21094621GZ-01

Lead verifier: Haoyu HUANG

Issue date: 13/3/2024

Version No.: NO.1

Verification date: 23-24, January, 2024

Expiry date: 12/3/2026

Signed on behalf of
Bureau Veritas Certification (Beijing) Co., Ltd.

Certification body address: Room 02, 9 / F, West Office Building 1, Oriental Economic and Trade City, Oriental Plaza, No.1 East Chang'an Street, Dongcheng District, Beijing, China. 100738

Further clarifications regarding the verification scope of this statement may be obtained by consulting the organization.

To check this statement validity please call: +86 10 59683888 or +86 20 83073800

Page 1 of 1

The
United
States
of
America



**The Director of the United States
Patent and Trademark Office**

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Lucia Starek Rea

Acting Director of the United States Patent and Trademark Office



URKUNDE

Es wird hiermit bescheinigt,
dass für die in der Patentschrift
beschriebene Erfindung ein
europäisches Patent für die in der
Patentschrift bezeichneten Ver-
tragsstaaten erteilt worden ist.

CERTIFICATE

It is hereby certified that a
European patent has been granted
in respect of the invention
described in the patent specifica-
tion for the Contracting States
designated in the specification.

CERTIFICAT

Il est certifié qu'un brevet
européen a été délivré pour
l'invention décrite dans le
fascicule de brevet, pour les
Etats contractants désignés
dans le fascicule de brevet.

Europäisches Patent Nr.

European patent No.

Brevet européen n°

2157139

Patentinhaber

Proprietor of the patent

Titulaire du brevet

Shi, Lei
Jiein Science and Technology Garden
Zhongcun
Panyu District
Guangzhou
Guangdong 511495/CN

München, den
Munich,
Fait à Munich, le

26.03.14

Benoît Battistelli

Präsident des Europäischen Patentamts
President of the European Patent Office
Président de l'Office européen des brevets

Test Verification of Conformity

Verification Number: 220228007-SHF-VOC001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

Applicant Name & Address:	PHOMI MCM CO., LTD. 15/F, BUILDING A2, MODERN AVENUE, SCIENCE CITY, HUANGPU DISTRICT, GUANGZHOU
Product Description:	Phomi Flexi Econic Clay
Ratings & Principle Characteristics:	Class A Flame spread index, FSI = 25, Smoke developed index, SDI = 20
Models/Type References:	Slate series
Brand Names:	/
Specification<s>/Standards:	ASTM E84-19a
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch Plant 5, No. 6958 Daye Road, Fengxian District, Shanghai, China
Date of Tests:	2022-02-28 - 2022-03-14
Test Report Number(s):	220228007SHF-001

As Specified in 10.2.3.3 of *NFPA 101 Life Safety Code 2021*:

Chapter 10 Interior Finish, Contents, and Furnishings

Section 10.2.3 Interior Wall or Ceiling Finish Testing and Classification

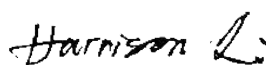
10.2.3.3 Interior Wall and Ceiling Finish Materials Tested in Accordance with ASTM E84 or ANSI/UL 723.

Interior wall and ceiling finish materials shall be classified in accordance with ASTM E84, *Standard Test Method for Surface Burning Characteristics of Building Materials*, or ANSI/UL 723, *Standard Test Method for Surface Burning Characteristics of Building Materials*, except as indicated in 10.2.3.4 and 10.2.3.5, and shall be grouped in the following classes in accordance with their flame spread and smoke developed indexes.

(1) Class A: Flame spread index 0-25; smoke developed index 0-450.

(2) Class B: Flame spread index 26-75; smoke developed index 0-450.

(3) Class C: Flame spread index 76-200; smoke developed index 0-450.



Signature

Name: Harrison Li

Position: Asst. Technical Manager

Date: 14th March, 2022

This Verification is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification. Only the Client is authorized to permit copying or distribution of this Verification. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test/inspection results referenced in this Verification are relevant only to the sample tested/inspected. This Verification by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

CERTIFICATE OF COMPLIANCE



Phomi MCM Co Ltd

See product list below

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Sectors 7.1 and 7.2.

Commercial furniture and furnishings are tested in accordance with ANSI/BIFMA M7.1-2011 and determined to comply with ANSI/BIFMA X7.1-2011 and ANSI/BIFMA e3-2014e Credit 7.6.1, 7.6.2, and 7.6.3. Panel based workstations are modeled in the open plan environment. Casework systems and individual furniture items are modeled in the private office environment. Seating products are modeled in the seating environment. Classroom furniture is modeled using the standard classroom model in the California Department of Public Health (CDPH) Standard Method v1.2.

Building Products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010, using the applicable exposure scenario.



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

CERTIFICATE OF COMPLIANCE

UL GREENGUARD Certified Products Listing

Product Name	Certification	Status	Certificate Number	Certification Period	Restrictions
2.5 mm Modified inorganic powder composite building decorative material—MCM Facing Brick Serie	GREENGUARD Gold Certified	Certified	155948-420	09/12/2019-09/12/2020	
2.5mm Modified inorganic powder composite building decorative material—MCM Leather Serie	GREENGUARD Gold Certified	Certified	155949-420	09/12/2019-09/12/2020	
2.5mm Modified inorganic powder composite building decorative material—Wood Serie	GREENGUARD Gold Certified	Certified	155950-420	09/12/2019-09/12/2020	
2.5-10.0mm Modified inorganic powder composite building decorative material—Stone Serie	GREENGUARD Gold Certified	Certified	155951-420	09/12/2019-09/12/2020	
2.5-5.0mm Modified inorganic powder composite building decorative material—Weaving Serie	GREENGUARD Gold Certified	Certified	155952-420	09/12/2019-09/12/2020	

Please refer to current certificates on ul.com/spg for complete compliance information.



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

亞洲國際創新發明大獎

Asia International Innovative Invention Award

2019



發明機構 This is to certify that

廣西福美新材料有限公司

發明項目 for the invention

改性無機複合材料及其製造方法

榮獲 has been awarded

金獎 Gold Award

李遠發 主席
Chairman Lee Yuen Fat

呂新榮博士 首席評委
Chief Jury Dr. Lui Sun Wing



香港創新科技及製造業聯合總會
Hong Kong Federation of Innovative Technologies
and Manufacturing Industries



亞洲國際創新發明大獎
Asia International Innovative Invention Award

2018 Best of IBS Awards

Most Innovative Building Product

MCM Cladding
by Phomi USA

FINALIST

NAHB **IBS**[®]

CONCOURS LÉPINE
LEFALCON INTERNATIONAL DE L'INVENTION
DE PARIS

Diplôme

2013

Médaille de Bronze

décerné à *Lei Shi ; Sash MCM Furniture, Guangzhou*

pour *Nouveaux matériaux composites*

Le Président de l'Association

Le Secrétaire Général

Le Président du Jury



The Singapore Green Labelling Scheme Secretariat hereby grant
Guangdong Phomi MCM Co., Ltd.

112 Sibi Zhongshen Road, Panyu District, Guangzhou City 511495, Guangdong Province, China

the right to use the Singapore Green Label for

PHOMI MCM

024-013-2219

"Eco-Friendly Building Material"

Validity: 18 December 2015 to 17 December 2016

A stylized, handwritten signature in black ink, appearing to read "Edwin Seah", positioned above a horizontal line.

EDWIN SEAH
Executive Director
Singapore Environment Council



Singapore
Environment
Council



International Innovation Exhibition

ARCA

ARCA AWARD

AWARDED TO

Shi Lei, PHOMI HOLDING CO.

FOR INNOVATION

eDisplay

Nürnberg, Germany, October 28th 2024



Croatian Union of Innovators
Professor Miljenko Simić
President

