



Jabatan Bomba dan Penyelamat Malaysia

SIJIL PEPASANGAN KESELAMATAN KEBAKARAN

Bahan-bahan Kelas 'O' / Class 'O'

BS 476: Part 6: 1989 + A1: 2009 & BS 476: Part 7: 1997

Dengan ini diperakui

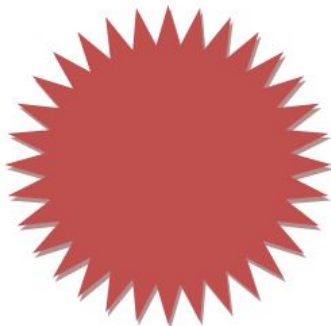
**PGF GLOBAL DISTRIBUTION SDN BHD
(DSR)**

Beroperasi di

**2449, LORONG PERUSAHAAN 10, KAWASAN PERUSAHAAN PERAI
13600 PERAI, PENANG, PENANG**

TELAH BERDAFTAR

TEMPOH SAH PERAKUAN : 18/03/2025 HINGGA 17/03/2027



t.t

.....
Ketua Pengarah
Jabatan Bomba dan Penyelamat Malaysia

****Peringatan:**

Sila patuhi sepenuhnya syarat-syarat dan had kegunaan seperti dalam Lampiran A1

(Sijil ini adalah cetakan berkomputer dan tidak memerlukan tandatangan)



Jabatan Bomba dan Penyelamat Malaysia

SIJIL PEPASANGAN KESELAMATAN KEBAKARAN

Kemasan Luar Bangunan / External Cladding System

BS 8414-2:2020 FIRE PERFORMANCE OF EXTERNAL CLADDING SYSTEMS. TEST METHOD FOR
NON-LOADBEARING EXTERNAL CLADDING SYSTEMS FIXED TO AND SUPPORTED BY A
STRUCTURAL STEEL FRAME

Dengan ini diperakui

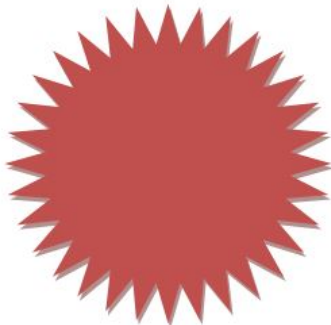
PGF GLOBAL DISTRIBUTION SDN BHD
(DSR-J)

Beroperasi di

2449, LORONG PERUSAHAAN SEPULUH, KAWASAN PERUSAHAAN PERAI
13600 PERAI, PULAU PINANG

TELAH BERDAFTAR

TEMPOH SAH PERAKUAN : **26/09/2025 HINGGA 25/09/2027**



t.t

.....
Ketua Pengarah
Jabatan Bomba dan Penyelamat Malaysia

****Peringatan:**

Sila patuhi sepenuhnya syarat-syarat dan had kegunaan seperti dalam Lampiran A1

(Sijil ini adalah cetakan berkomputer dan tidak memerlukan tandatangan)

SIJIL BARANGAN TERSENARAI *Product Listing Certificate*



SIRIM QAS International Sdn. Bhd. dengan ini menganugerahkan kepada
SIRIM QAS International Sdn. Bhd. hereby grants to

PGF GLOBAL DISTRIBUTION SDN. BHD.
2449, LORONG PERUSAHAAN 10
KAWASAN PERUSAHAAN PERAI
13600 PERAI
PULAU PINANG, MALAYSIA

Sijil untuk menggunakan Tanda Barangan Tersenarai
a certificate to use the Listed Product Mark on

INSULATION PANEL (ROCKWOOL CORE)

Please refer to detail in the SCHEDULE

sebagai mematuhi keperluan
as complying with

BS 476 : PART 6 : 1989 + A1 : 2009
BS 476 : PART 7 : 1997



Ts. Md. Adha bin Katni @ Rahmat
Pemangku Ketua Pegawai Eksekutif
Acting Chief Executive Officer
SIRIM QAS International Sdn. Bhd.



SCHEDULE

PGF GLOBAL DISTRIBUTION SDN. BHD.



Trade Mark : CENTRIA International
Model : DSR
Rating : Nominal Core Density: 140 kg/m³
Fire Propagation Index, I: 2.3, 2.7
Surface Spread of Flame: Class 1
Type : Flat Panel
Size : Nominal Panel Thickness, mm: 50 – 150
Panel Skin Thickness (TCT):
a) Upper surface: Pre-painted steel: 0.60 mm
b) Lower surface: Pre-painted steel: 0.50 mm

TEST REPORT NO. : 2024FE0930, 2024FE0932, 2024FE0931, 2024FE0933

Factory Name and Location :
CENTRIA BUILDING MATERIAL MANUFACTURING (SHANGHAI)
CO., LTD.
NO. 459-1, WANSONG ROAD
LINGANG NEW DISTRICT
CHINA (SHANGHAI) PILOT FREE TRADE ZONE
201306 SHANGHAI
SHANGHAI, CHINA

End of page

SIRIM QAS International Sdn. Bhd.
(No. Syarikat 199601037981(410334-X))

1, Persiaran Dato' Menteri
Seksyen 2, Peti Surat 7035
40700 Shah Alam
Selangor Darul Ehsan
MALAYSIA.

Tel : 603-5544 6000
Emel : cserviceqas@sirim.my

<https://www.sirim-qas.com.my>
<https://www.malaysiancertified.com.my>

Tarikh Mula Pensijilan : 26 February 2025

Certified Since

Sah Sehingga : 26 February 2026

Valid Until

Lesen ini dianugerahkan tertakluk kepada syarat-syarat Perjanjian Pensijilan Barangan SIRIM QAS International Sdn. Bhd.
This Licence is granted subject to the provisions of the Product Certification Agreement of SIRIM QAS International Sdn. Bhd.

Tarikh Dikeluarkan : 27 February 2025

Issue Date

No Siri : 108537

Serial No

SIJIL BARANGAN TERSENARAI *Product Listing Certificate*



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SIRIM QAS International Sdn. Bhd. hereby grants to

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Pemangku Ketua Pegawai Eksekutif
Acting Chief Executive Officer
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Tarikh Dikeluarkan : 27 February 2025

Issue Date

No Siri : 108537

Serial No

TEST REPORT

REPORT NO. : 2025FE0761

PAGE : 1 OF 35

Unless otherwise stated, the results shown in this Test Report shall be valid exclusively for the specific sample either provided by the Applicant or sampled by the qualified officer and tested by SIRIM QAS International Sdn. Bhd. In deriving the results of this Test Report, SIRIM QAS International Sdn. Bhd. has relied solely on the sample and data information provided by the Applicant, in accordance with the applicable standards requested by the Applicant in the Application Form. This Test Report shall not be reproduced, except in full, without written approval from the Head of Quality, Occupational Safety and Health & Environment (QHSE) of SIRIM QAS International Sdn. Bhd. Kindly refer to the last page of this Test Report for the "Conditions Relating to the Use of SIRIM QAS International Test Report".

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : PGF GLOBAL DISTRIBUTION SDN. BHD.
No. 2449, Lorong Perusahaan 10
Kawasan Perusahaan Peral
13600 Peral, Pulau Pinang
Malaysia.
(Attn: Chin Wai Fong)

Manufacturer : CENTRIA BUILDING MATERIAL MANUFACTURING (SHANGHAI) CO.
LTD.
No. 459-1, Wansong Road, Lingang New District
China (Shanghai) Pilot Free Trade Zone, 201306, Shanghai, China.

Product : SANDWICH PANEL CLADDING SYSTEM

Disclaimer: All the information stated above has been provided/agreed by the Applicant. SIRIM QAS International Sdn. Bhd. shall not be held responsible for the accuracy, completeness, or validity of the information provided by the Applicant which may affect the validity of the test results. The accuracy and reliability of the test results are contingent upon the integrity and accuracy of the information provided by the Applicant.

Reference Standard/ Method of test : BS8414 Part 2:2020
Part 2: Test method for non-loadbearing external cladding systems fixed to, and supported by, a structural steel frame.

Description of test specimen : Refer Page 3 - 5

Date Received : 25 March 2025

Job No. : J20251440326

Overall test result : Refer Page 32 - 34

Issued date : 25 August 2025



Approved signatory,


(SHARIFAH NUR BADARIAH)
Principal Testing Executive

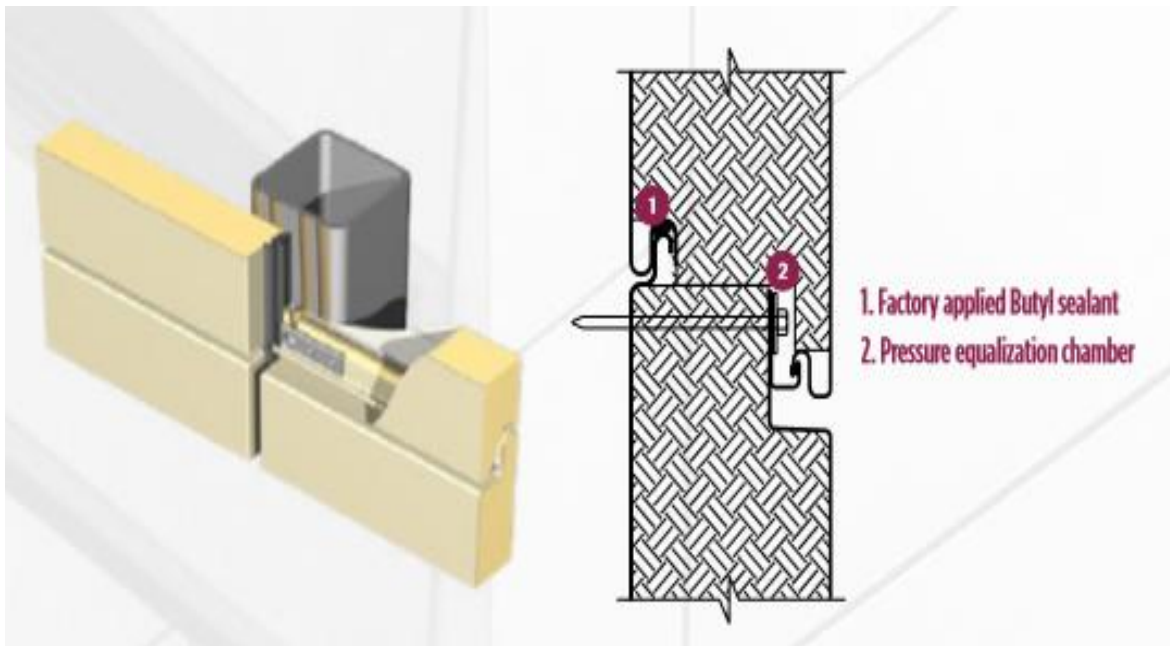

(ZAINI AHMAD)
Head
Fire Protection Section
Testing Services Department

Environmental Product Declaration



DSR-J Fireproof Insulated Metal Panels

In accordance with ISO 14025 and EN 15804:2012+A2:2019



Programme:

Programme Operator:

Registration Number:

Publication date:

Valid until:

The International EPD® System

EPD International AB

S-P-05178

2021-11-26

2026-11-24



Certificate of Compliance

This certificate is issued for the following:

FormaShield DSR

Prepared for:

Centria Building Material Manufacturing (Shanghai) Co Ltd
181 Middle Sichuan Rd Room 306
Shanghai, Shanghai 200002
China

FM Approvals Class: 4881

Approval Identification: PR453075

Approval Granted: 7/13/2020

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark blue ink, reading 'Phillip J. Smith'.

Phillip J. Smith
VP - Manager of Materials
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062



Member of the FM Global Group



TEST REPORT

Report No.: H1031.01-109-44

Rendered to:

CENTRIA
Moon Township, Pennsylvania

PRODUCT TYPE: Wall Panel System
SERIES/MODEL: FormaShield DSR

Title	Summary of Results
Air Infiltration	<0.1 L/s/m ² (<0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure	510 Pa (10.65 psf)

Reference must be made to Report No. H1031.01-109-44, dated 09/12/17 for complete test specimen description and detailed test results.

HPD UNIQUE IDENTIFIER: 26650

CLASSIFICATION: 07 42 13.19 Insulated Metal Wall Panels

PRODUCT DESCRIPTION: Insulated Metal Wall Panels are primarily used in exterior wall applications — when performance and design aesthetics are a priority — for commercial and public buildings as well as industrial manufacturing plants. This composite panel consists of two layers of metal permanently hot- pressed onto a fireproof mineral wool core. These panels can be installed both horizontally and vertically and can be customized to meet different widths, lengths, thickness and joint requirements. Additionally, it is certified to meet international testing requirements for fireproofing, insulation, waterproofing and decorative integrated assembly.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i> Characterized ☐ Yes Ex/SC ☒ Yes ☐ No <i>% weight and role provided for all substances.</i> Screened ☐ Yes Ex/SC ☐ Yes ☒ No <i>One or more substances not screened using Priority Hazard Lists with results disclosed and/ or one or more Special Condition did not follow guidance.</i> Identified ☐ Yes Ex/SC ☐ Yes ☒ No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>
☒ Nested Materials Method	☒ 100 ppm	Considered in 4 of 4 Materials	
☐ Basic Method	☐ 1,000 ppm		
	☐ Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	
Threshold Disclosed Per	☐ Other	☒ Yes ☐ No	
☐ Material			
☒ Product			

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
ROCK WOOL [CRISTOBALITE LT-1 | CAN LIME BM-2 ALUMINUM OXIDE BM-2 | RES MAGNESIUM OXIDE BM-3dg | CAN IRON OXIDE LT-UNK FORMALDEHYDE, POLYMER WITH (1,1'-BIPHENYL)-4-OL AND 4-(1,1-DIMETHYLETHYL)PHENOL LT-UNK] GALVALUME/ GALVANIZED COATED STEEL SHEET [STEEL NoGS ZINC, ELEMENTAL LT-P1 | END | MUL | PHY | AQU ALUMINUM BM-1 | END | RES | PHY] ADHESIVE [POLYPROPYLENE GLYCOL LT-UNK LIMESTONE BM-3dg OTHER ADDITIVES Not Screened] SEALANT [HUNTITE NoGS POLYISOBUTYLENE LT-UNK WHITE MINERAL OIL LT-UNK BUTYL RUBBER LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Galvalume/ Galvanized coated steel sheet face is protected from the elements with a Polyvinylidene Fluoride/Polymer (PVDF/PE) paint and primer coating. Due to the wide variety of colors, thicknesses, and types of finishes offered, this HPD does not consider paints, finishes, or coatings in the materials listed. Coating ingredients can be determined on a project-by- project basis once a specific finish is determined. Any coating applied to surfaces of these sheets is coil- applied prior to the forming of the sheet, as a result, no VOCs are generated at the job site from field-painting operations. Please contact Centria Building Materials Manufacturing (Shanghai) Co., Ltd. for more information.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Residential scenario
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC emissions: GMW15634(2014)
VOC emissions: HJ 571-2010

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.