

SINGAPORE LABORATORY  
ACCREDITATION SCHEME



Number : **LA-2016-0610-G**

Date of Issue : **29 February 2020**

Date of Expiry : **28 February 2024**

# Certificate of Accreditation

This certifies that

**OTM Solutions Pte Ltd**  
**21 Woodlands Close**  
**#07-05 Primz Bizhub**  
**Singapore 737854**

is accredited by the Singapore Accreditation Council to

**ISO / IEC 17025 : 2017**

for specific scope within the field of

**Mechanical Testing**

as detailed in the attached schedule.

  
Chairman

This Certificate is awarded subject to the organisation's compliance with the stated criteria and terms and conditions laid down by the Singapore Accreditation Council.

This Certificate may not be reproduced except with the written permission of the Chairman.

# Schedule

OTM Solutions Pte Ltd  
21 Woodlands Close  
#07-05 Primz Bizhub  
Singapore 737854

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FIELD OF TESTING : Mechanical Testing

MATERIALS/ PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS / TECHNIQUES/EQUIPMENT
A. Façade & Roof Materials	Daylight reflectance testing: i. Total daylight reflectance ii. Diffuse daylight reflectance iii. Specular daylight reflectance	ASTM E903-12 ASTM E971-11 CIE 130-1998
B. Glazing Systems	Solar / luminous / thermal property testing: i. Solar energy transmittance ii. Solar energy reflectance (front and back) iii. Visible light transmittance iv. Visible light reflectance (front and back) v. Solar heat gain coefficient (SHGC) vi. Shading coefficient (SC) vii. Summer condition U-value viii. Winter condition U-value	ANSI/NFRC 100-2017 ANSI/NFRC 200- 2017 NFRC 300- 2017 NFRC 301- 2017

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MATERIALS/ PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS / TECHNIQUES/EQUIPMENT
C. Roof Materials	Solar reflectance index (SRI) testing:  i. Solar reflectance  ii. Solar absorptance  iii. Emittance  iv. Solar reflectance index (SRI)	ASTM E903-12 ASTM C1371-15 & TN 11-2 ASTM E1980-11
D. Insulation materials	Steady-state thermal transmission property testing  i. Thermal conductivity	ASTM C518-17

## Approved Signatory

Dr Chen Fangzhi - for all of the above tests

## Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid calibrations. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.