CERTIFICATE OF ACCREDITATION

This is to attest that

INTERTEK TESTING SERVICES SHENZHEN LTD. GUANGZHOU BRANCH

C2-1, HEPING XU, YONGNING STREET, ZENGCHENG DISTRICT
GUANGZHOU, GUANGDONG, 511358, PEOPLE'S REPUBLIC OF CHINA

Testing Laboratory TL-1195

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date October 3, 2023

IAS ACCREDITED

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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INTERTEK TESTING SERVICES SHENZHEN LTD. GUANGZHOU BRANCH

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Accredited to ISO/IEC 17025:2017 *Effective Date October 3, 2023*

Building Products – Curtain Wall Testing	
AAMA 501	Methods of test for exterior walls
AAMA 501.1	Standard Test Method for Water Penetration of Windows, Curtain walls And Doors Using Dynamic Pressure
AAMA 501.4	Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic And Wind Induced Inter-Story Drifts
AAMA 501.5	Test Method for Thermal Cycling of Exterior Walls
AAMA 501.7	Recommended Static Test Method for Evaluating Windows, Window Wall, Curtain Wall and Storefront Systems Subjected to Vertical Inter-Story Movement
AS/NZS 4284	Testing of building facades
BS EN 13830	Curtain Walling – Product Standard
Building Products-Windows and Doors Testing	
AAMA/WDMA/CSA 101 I.S.2/A440	North American fenestration standard/specification for windows, doors, and skylights
AS 2047	Windows and external glazed doors in buildings
AS/NZS 4420.1	Windows, external glazed, timber and composite doors-Methods of test part 1: Test sequence, sampling and test methods
ASTM E283/E283M	Standard test method for determining rate of air leakage through exterior windows, skylights, curtain walls, and doors under specified pressure differences across the specimen
ASTM E330/E330M	Standard test method for structural performance of exterior windows, doors, skylights and curtain walls by uniform static air pressure difference
ASTM E331	Standard test method for water penetration of exterior windows, skylights, doors and curtain walls by uniform static air pressure difference
ASTM E547	Standard test method for water penetration of exterior windows, skylights, doors, and curtain walls by cyclic static air pressure difference

ASTM E783	Standard test method for field measurement of air leakage through installed exterior windows and doors
ASTM E1105	Standard test method for field determination of water penetration of installed exterior windows, skylights, doors, and curtain walls, by uniform or cyclic static air pressure difference
ASTM E1886	Standard test method for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by missile(s) and exposed to cyclic pressure differentials
ASTM E1996	Standard specification for performance of exterior windows, curtain walls, doors, and impact protective systems impacted by windborne debris in hurricanes
ASTM F588	Standard test methods for measuring the forced entry resistance of window assemblies, excluding glazing impact
ASTM F842	Standard test methods for measuring the forced entry resistance of sliding door assemblies, excluding glazing impact
CSA A440S1	Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS - North American Fenestration Standard/Specification for windows, doors, and skylights
EN 1026	Windows and doors - Air permeability - test method
EN 1027	Windows and doors - Water tightness - test method
EN 12207	Windows and doors - Air permeability - Classification
EN 12208	Windows and doors – Water tightness - Classification
EN 12210	Windows and doors - Resistance to wind load -Classification
EN 12211	Windows and doors - Resistance to wind load – Test method
NZS 4211	Specification for performance of windows
SNZ/TS 4211	Specification for the classification of windows
SS 212	Specification for aluminium alloy windows
SS 268	Specification for aluminium framed sliding doors
TAS 201	Impact test procedures
TAS 202	Criteria for testing impact and non-impact resistant building envelope components using uniform static air pressure loading
TAS 203	Criteria for testing products subject to cyclic wind pressure loading
Building Products-Fire Testing	
AS 1530.4	Methods for fire tests on building materials, components and structures- fire-resistance test of elements of construction (Only Vertical Building Construction)
AS 1530.7	Methods for fire tests on building materials, components and structures Smoke control assemblies - Ambient and medium temperature leakage test procedure

ASTM E119	Standard test methods for fire tests of building construction and Materials (Only Vertical Building Construction)
ASTM E814	Standard test method for fire tests of penetration firestop Systems (Only Vertical Wall Construction)
ASTM E2226	Standard practice for application of hose stream
BS 476-20	Fire tests on building materials and structures - method for determination of the fire resistance of elements of construction (general principles)
BS 476-21	Fire tests on building materials and structures- method for determination of the fire resistance of loadbearing elements of construction (Only Vertical Elements of Construction)
BS 476-22	Fire tests on building materials and structures- method for determination of the fire resistance of non-loadbearing elements of construction (Only Vertical Elements of Construction)
BS 476-31.1	Fire tests on building materials and structures. Methods for measuring smoke penetration through doorsets and shutter assemblies. Method of measurement under ambient temperature conditions
CAN/ULC-S101	Standard methods of fire endurance tests of building construction and materials. (Only Vertical Building Construction)
CAN/ULC-S104	Standard method for fire tests of door assemblies
EN 1363-1	Fire resistance tests- part 1: general requirements
EN 1364-1	Fire resistance test for non-loadbearing elements – part1: Walls
EN 1365-1	Fire resistance tests for loadbearing elements-part 1: walls
EN 1366-3	Fire resistance tests for service installations - Part 3: Penetration seals
EN 1634 -1	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - part 1: fire resistance test for door and shutter assemblies and openable windows
EN 1634-3	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware Part 3:Smoke control test for door and shutter assemblies
EN 13501-2	Fire classification of construction products and building elements - part 2: classification using data from fire resistance tests, excluding ventilation services
EN 14470-1	Fire safety storage cabinets - Part 1: Safety storage cabinets for flammable liquids
EN 14470-2	Fire safety storage cabinets - Part 2: Safety cabinets for pressurised gas cylinders
ISO 5925-1	Fire tests — Smoke-control door and shutter assemblies — Part 1: Ambient- and medium-temperature leakage tests

NFPA 251	Standard Methods of Tests of Fire Endurance of Building Construction and Materials (Only Vertical Building Construction)
NFPA 252	Standard methods of fire tests of door assemblies
NFPA 257	Standard on fire test for window and glass block assemblies
NFPA 415	Standard on Airport Terminal Buildings. Fueling Ramp Drainage, and Loading Walkways (Only Section 6 Wall Construction)
UBC 7-1	Fire tests of building construction and materials
UL 9	Standard for fire tests of window assemblies
UL 10B	Standard for Safety Fire Tests of Door Assemblies
UL 10C	Standard for positive pressure fire tests of door assemblies
UL 72	Tests for Fire Resistance of Record Protection Equipment
UL 263	Standard for safety Fire Tests of Building Construction and Materials (Only Vertical Building Construction)
UL 514C	Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers (Only SUPPLEMENT SB)
UL 1479	Fire Tests of Penetration Firestops
UL 1784	Air Leakage Tests of Door Assemblies and Other Opening Protectives