



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

LEADING EDGE CONSTRUCTION MATERIALS TESTING COMPANY LIMITED

ASIA ALUMINUM INDUSTRIAL CITY
GUANGDONG PROVINCE 526238, CHINA

Testing Laboratory TL-496

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 May 12, 2025



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

LEADING EDGE CONSTRUCTION MATERIALS TESTING COMPANY LIMITED

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Accredited to ISO/IEC 17025:2017

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Fire	
AS/NZS 1530.4	Methods for fire tests on building materials, components and structures Part 4: Fire-resistance test of elements of construction
AS/NZS 1530.7	Methods for fire tests on building materials, components and structures - Smoke control door and shutter assemblies - Ambient and medium temperature leakage test procedure
ASTM E108	Standard Test Methods for Fire Tests of Roof Coverings (excluding 11.5)
ASTM E119	Standard Test Methods for Fire Tests of Building Construction and Materials
ASTM E2074	Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies
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. Methods for determination of the fire resistance of loadbearing 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
BS 476-24	Fire tests on building materials and structures. Method for determination of the fire resistance of ventilation ducts
BS 7346-3	Components for smoke and heat control systems. Specification for smoke curtains
BS EN 81-58	Safety rules for the construction and installation of lifts. Examination and tests. Landing doors fire resistance test
BS EN ISO 1182	Reaction to fire tests for products. Non-combustibility test.
BS EN 1363-1	13 A plugs, socket-outlets, adaptors and connection units. Specification for rewirable and non-rewirable 13 A fused plugs

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BS EN 1363-2	13 A plugs, socket-outlets, adaptors and connection units. Specification for 13 A switched and unswitched socket-outlets
BS EN 1364-1	Fire resistance tests for non-loadbearing elements. Walls
BS EN 1364-2	Fire resistance tests for non-loadbearing elements. Ceilings
BS EN 1364-3	Fire resistance tests for non-loadbearing elements. Curtain walling. Full configuration (complete assembly)
BS EN 1364-4	Fire resistance tests for non-loadbearing elements. Curtain walling. Part configuration
BS EN 1365-1	Fire resistance tests for loadbearing elements. Walls
BS EN 1365-2	Fire resistance tests for loadbearing elements. Floors and roofs
BS EN 1365-3	Fire resistance tests for loadbearing elements. Beams
BS EN 1365-4	Fire resistance tests for loadbearing elements. Columns
BS EN 1366-1	Fire resistance tests for service installations. Ventilation ducts
BS EN 1366-2	Fire resistance tests for service installations. Fire dampers
BS EN 1366-3	Fire resistance tests for service installations. Penetration seals
BS EN 1366-4	Fire resistance tests for service installations. Linear joint seals
BS EN 1366-5	Fire resistance tests for service installations. Service ducts and shafts
BS EN 1366-6	Fire resistance tests for service installations. Raised access and hollow core floors
BS EN 1366-8	Fire resistance tests for service installations. Smoke extraction ducts
BS EN 1366-9	Fire resistance tests for service installations. Single compartment smoke extraction ducts
BS EN 1366-10	Fire resistance tests for service installations. Smoke control dampers
BS EN 1634-1	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows
BS EN 1634-2	Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware. Fire resistance characterisation test for elements of building hardware
BS EN 1634-3	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies
BS EN 12101-1	Smoke and heat control systems. Specification for smoke barriers

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BS EN 13501-2	Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services
BS EN 14600	Doorsets and openable windows with fire resisting and/ or smoke control characteristics. Requirements and classification.
GB/T 7633	Fire resistance tests - Door and shutter assemblies
GB/T 9978.1	Fire-Resistance Tests-Elements of Building Construction Part1: General Requirements
GB/T 9978.4	Fire-resistance tests — Elements of building construction — Part 4: Specific requirements for loadbearing vertical separating elements
GB/T 9978.5	Fire-resistance tests — Elements of building construction — Part 5: Specific requirements for loadbearing horizontal separating elements
GB/T 9978.8	Fire-resistance tests - Elements of building construction - Part 8: Specific requirements for non-loadbearing vertical separating elements
GB/T 9978.9	Fire-resistance tests - Elements of building construction - Part 9: Specific requirements for non-loadbearing ceiling elements
GB/T 12513	Fire-resistance tests-Glazed elements
HK Fire Service Dept.	Test Procedure on Fusible Link for IEC Standard 61730-2 (Clause 10.8 & 10.10)
ISO 834-1	Fire resistance tests - elements of building construction. part 1: general requirements.
ISO 834-4	Fire-resistance tests - Elements of building construction - Part 4: Specific requirements for loadbearing vertical separating elements
ISO 834-5	Fire-resistance tests - Elements of building construction - Part 5: Specific requirements for loadbearing horizontal separating
ISO 834-6	Fire-resistance tests - Elements of building construction - Part 6: Specific requirements for beams
ISO 834-7	Fire-resistance tests - Elements of building construction - Part 7: Specific requirements for columns
ISO 834-8	Fire-resistance tests - Elements of building construction - Part 8: Specific requirements for non-loadbearing vertical separating elements
ISO 834-9	Fire-resistance tests - Elements of building construction - Part 9: Specific requirements for non-loadbearing ceiling elements
ISO 3008	Fire-resistance tests - Door and shutter assemblies
ISO 3009	Fire-resistance tests - Elements of building construction - Glazed elements

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ISO 5925-1	Fire tests - Smoke-control door and shutter assemblies - Part 1: Ambient- and medium-temperature leakage tests
ISO 6944-1	Fire containment - Elements of building construction - Part 1: Ventilation ducts
ISO 10294-1	Fire resistance tests - Fire dampers for air distribution systems - Part 1: Test method
ISO 10294-5	Fire resistance tests - Fire dampers for air distribution systems - Part 5: Intumescent fire dampers
UL 9	Fire Tests of Window Assemblies
UL 10B	Fire Tests of Door Assemblies
UL 10C	Positive Pressure Fire Tests of Door Assemblies
UL 263	Fire Tests of Building Construction and Materials
UL 555	Fire Dampers
UL 555S	Smoke Dampers
UL 790	Standard Test Methods For Fire Tests Of Roof Coverings (excluding Section 10)
UL 1703	Flat-Plate Photovoltaic Modules and Panels
UL 1784	Standard Test Methods for Fire Tests of Roof Coverings
SS 332	Specification for fire doors
SS 333	Specification for fire dampers (Clause 5.3)
SS 489	Specification for fire shutters
Mechanical	
BS EN 13030	Ventilation for buildings. Terminals. Performance testing of louvres subjected to simulated rain.
BS EN 13050	Synchronous belt drives. Metric pitch, curvilinear profile systems G, H, R and S, belts and pulleys.
BS EN 14024	Metal profiles with thermal barrier. Mechanical performance. Requirements, proof and tests for assessment.
Physical	
AAMA 501.1	Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure
AAMA 501.2	Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls and Sloped Glazing Systems



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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 Movements
AAMA 1503	Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections
ANSI/AMCA 500-L	Laboratory Methods of Testing Louvers for Rating
ANSI Z97.1	Safety Glazing Materials Used In Buildings - Safety Performance Specifications And Methods Of Test
Appendix B, Hong Kong APP-37 (PNAP 106)	Façade testing
AS 2047	Windows and external glazed doors in buildings (Clause 2.3.1.3-7)
AS/NZS 2208	Safety glazing materials in buildings
AS/NZS 4284	Testing of building facades
AS 4420	Windows - Methods of test - Water penetration resistance test
ASTM C1279	Standard Test Method for Non-Destructive Photoelastic Measurement of Edge and Surface Stresses in Annealed, Heat-Strengthened, and Fully Tempered Flat Glass
ASTM E283	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E546	Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units
ASTM E547	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E576	Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units in the Vertical Position
ASTM E2068	Standard Test Method for Determination of Operating Force of Sliding Windows and Doors
BS 5368-3	Methods of testing windows. Wind resistance tests
BS 6206	Specification for impact performance requirements for flat safety glass and safety plastics for use in buildings.
BS 6375-1	Performance of windows and doors. Classification for weathertightness and guidance on selection and specification

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BS 6375-2	Performance of windows and doors. Classification for operation and strength characteristics and guidance on selection and specification (Clause 5.1 & 5.2)
BS 8200 (Clause 7)	Code of practice for design of non-loadbearing external vertical enclosures of buildings
BS EN 1026	Windows and doors. Air permeability. Test method.
BS EN 1027	Windows and doors. Water tightness. Test method.
BS EN 1288-3	Glass in building. Determination of the bending strength of glass. Test with specimen supported at two points (four point bending)
BS EN 12046-1	Operating forces. Test method. Windows
BS EN 12153	Welding consumables. Tubular cored electrodes for gas shielded and non-gas shielded metal arc welding of nickel and nickel alloys. Classification.
BS EN 12155	Curtain walling. Watertightness. Laboratory test under static pressure.
BS EN 12179	Geometrical product specifications (GPS). Surface texture. Profile method. Calibration of contact (stylus) instruments.
BS EN 12207	Windows and doors. Air permeability. Classification.
BS EN 12208	Space systems. Space environment (natural and artificial). Observed proton fluences over long duration at GEO and guidelines for selection of confidence level in statistical model of solar proton fluences.
BS EN 12211	Windows and doors. Resistance to wind load. Test method.
BS EN 12600	Glass in building. Pendulum test. Impact test method and classification for flat glass.
BS EN 13115	Non-destructive testing. Methods for absolute calibration of acoustic emission transducers by the reciprocity technique.
BS EN 14179-1	Glass in building. Heat soaked thermally toughened soda lime silicate safety glass. Definition and description
BS EN 14608	Windows. Determination of resistance to racking.
BS EN 14609	Windows. Determination of the resistance to static torsion
BS EN 61730-2	Photovoltaic (PV) module safety qualification. Requirements for testing (Clause 10.8 & 10.10)
CAN/CSA C22.2 No. 61730-2	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing (Clause 10.8 & 10.10)
CPSC CPSC 16 CFR 1201	Safety standard for architectural glazing materials
GB/T 15227	Test method of deformation under wind pressure for building curtain walls

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GB/T 15763-2	Safety glazing materials in building - Part 2: Tempered glass
GB/T 18250	Test method for performance in plane deformation of curtain walls
GOST 4765	Pain And Lacquer Materials - Method Of Determination Impact Resistance
HK Code of Practice for SUC (Clause 3.2.8.2 & 3.2.8.3)	
SS 212	Specification for Aluminium alloy windows
Structural	
AAMA 501.4	Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind Induced Inter-story Drifts (501.4) & Recommended Dynamic Test Method For Determining The Seismic Drift Causing Glass Fallout From A Wall System (501.6)
ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
Code of Practice for the Structural Use of Steel (2011) (Clause 16.2)	
BS 5080-1	Structural fixings in concrete and masonry. Method of test for tensile loading
BS 5080-2	Structural fixings in concrete and masonry. Method for determination of resistance to loading in shear
TIR A8	Structural Performance Of Composite Thermal Barrier Framing Systems

