



INTERNATIONAL
ACCREDITATION
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CERTIFICATE OF ACCREDITATION

This is to attest

MATERIAL TECH CO. LTD.

OFFICE ADDRESS: 105 SAN LEE UK TSUEN, TIN HA ROAD
YUEN LONG, HONG KONG

Testing Laboratory TL-1260

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 December 17, 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 101, Brea, California 92821, U.S.A. | www.iasonline.org

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Location	Address	Contact Name	Contact Phone	Scope pages
Main Lab	105 San Lee Uk Tsuen, Tin Ha Road, Yuen Long, Hong Kong	Felix Chan	+852-29730138	2-6
Satellite Lab	No. 1, Longsheng Street, Heyun Town, Qingxin District, Qingyuan City, Guangdong Province, China	Terry Kwan	+86 14714337245	6

Accredited to ISO/IEC 17025:2017

Effective Date December 17, 2025

Main Lab

ASTM D6752/D6752M-11	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
AASHTO T 302-15	Method of Test for Polymer Content of Polymer-modified Emulsified Asphalt Residue and Asphalt Binders
AASHTO T 316 13 (2017)	Standard Method of Test for Viscosity Determination of Asphalt Binder Using Rotational Viscometer
AASHTO T 316 13 (2017) with modifications	Standard Method of Test for Viscosity Determination of Asphalt Binder Using Rotational Viscometer
AASHTO T 316 22	Standard Method of Test for Viscosity Determination of Asphalt Binder Using Rotational Viscometer
AASHTO T166-16 (2020) Method A	Bulk specific gravity of compacted asphalt mixtures using saturated surface dry specimens
AASHTO T283-14	Standard Method of Test for Resistance of compacted hot mix asphalt (HMA) to moisture-induced damage
AASHTO T48 06 (2015)	Standard Method of Test for Flash and Fire Points by Cleveland Open Cup
AASHTO T48-22	Standard Method of Test for Flash Point of Asphalt Binder by Cleveland Open Cup
ACI 228.2R-13, cl. 3.2.2	Report on Nondestructive Test Methods for Evaluation of Concrete in Structures Ultrasonic echo method
ASTM C117-13	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C117-17	Standard Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C136/C136M-14 with modifications	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
ASTM C136/C136M-19 with modifications	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates
ASTM C495/C495M -12 (Reapproved 2019)	Standard Test Method for Compressive Strength of Lightweight Insulating Concrete

TL-1260

MATERIAL TECH co. ltd.

Effective Date December 17, 2025

Page 2 of 6

IAS/TL/100-1



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

ASTM C495/C495M -12 (Reapproved 2019) with modification	Standard Test Method for Compressive Strength of Lightweight Insulating Concrete
ASTM C702/C702M 18 (Method A & Method B)	Standard Practice for Reduction of bituminous materials to testing size
ASTM D113-17	Standard Test Method for Ductility of Asphalt Materials
ASTM D1188 96 (Reapproved 2002)	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens
ASTM D1754/D1754M-20	Standard Test Method for Effects of Heat and Air on Asphaltic Materials (Thin-Film Oven Test)
ASTM D2041/D2041M 11 (weighing in water method)	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2041/D2041M 19 (weighing in water method)	Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2171/D2171M 10	Standard Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer
ASTM D2171/D2171M 18	Standard Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer
ASTM D2726/D2726M 14	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2726/D2726M 21 (Method 10.1 & 10.2)	Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D3549 93a	Standard Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens
ASTM D3549/D3549M 17 Method A	Standard Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens
ASTM D3549/D3549M 18 Method A	Standard Test Method for Thickness or Height of Compacted Bituminous Paving Mixture Specimens
ASTM D4402/D4402M 15	Standard Test Method for Viscosity Determination of Asphalt at Elevated Temperatures Using a Rotational Viscometer
ASTM D5/D5M-20	Standard Test Method for Penetration of Bituminous Materials
ASTM D5444-08	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate
ASTM D5444-15 with modifications	Standard Test Method for Mechanical Size Analysis of Extracted Aggregate
ASTM D6307-16	Standard Test Method for Asphalt Content of Asphalt Mixture by Ignition Method
ASTM D6307-19	Standard Test Method for Asphalt Content of Asphalt Mixture by Ignition Method
ASTM D6752/D6752M 11 (excluding Cl. 5)	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
ASTM D6752/D6752M 18 (excluding Cl. 6)	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
ASTM D6752/D6752M 18 (excluding Cl. 6) with modifications	Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method
ASTM D92 18	Standard Test Method for Flash and fire points by Cleveland Open Cup Tester

TL-1260

MATERIAL TECH co. ltd.

Effective Date December 17, 2025

Page 3 of 6

IAS/TL/100-1



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

BS 1377: 1975 Cl. 2.1.1 Test 1(A)	Methods of test for Soils for civil engineering purposes – Classification tests Oven-drying method
BS 1377: Part 2: 1990 Cl. 3.2	Methods of test for Soils for civil engineering purposes – Classification tests Oven-drying method
BS 1377: Part 2: 1990 Cl. 8.2	Methods of test for soils for civil engineering purposes - Classification tests Determination of particle density - gas jar method
BS 1377: Part 2: 1990 Cl. 8.3	Methods of test for soils for civil engineering purposes - Classification tests Determination of particle density - small pycnometer method
BS 1377: Part 4: 1990 Cl. 3.3.4.1	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 2.5 kg rammer for soils with particles up to medium-gravel size Compaction procedure for soil particles not susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.3.4.2	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 2.5 kg rammer for soils with particles up to medium-gravel size- Compaction procedure for soil particles susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.4.4.1	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 2.5 kg rammer for soils with some coarse gravel-size particles Compaction procedure for soil particles not susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.4.4.2	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 2.5 kg rammer for soils with some coarse gravel-size particles Compaction procedure for soil particles susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.5.4.1	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 4.5 kg rammer for soils with particles up to medium-gravel size Compaction procedure for soil particles not susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.5.4.2	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 4.5 kg rammer for soils with particles up to medium-gravel size Compaction procedure for soil particles susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.6.4.1	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 4.5 kg rammer for soils with some coarse gravel-size particles Compaction procedure for soil particles not susceptible to crushing
BS 1377: Part 4: 1990 Cl. 3.6.4.2	Methods of test for Soils for civil engineering purposes — Compaction-related tests Method using 4.5 kg rammer for soils with some coarse gravel-size particles Compaction procedure for soil particles susceptible to crushing
BS 1377: Part 4: 1990 Cl. 7	Methods of test for Soils for civil engineering purposes — Compaction-related tests Determination of the California Bearing Ratio (CBR)
BS 1377: Part 9: 1990 Cl. 4.3 in conjunction with the following specification(s): BS 1924- 2: 1990 Cl. 4.6	Methods of test for Soils for civil engineering purposes — In-situ tests Determination of the in-situ California Bearing Ratio (CBR)
BS 2000: Part 49: 1993	Methods of test for petroleum and its products Determination of needle penetration of bituminous material

TL-1260

MATERIAL TECH co. ltd.

Effective Date December 17, 2025

Page 4 of 6

IAS/TL/100-1



INTERNATIONAL
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SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

BS 2000: Part 49: 2015	Bitumen and bituminous binders - Determination of needle penetration
BS 2000: Part 506: 2017	Bitumen and bituminous binders - Determination of the Loss in mass after heating of industrial bitumen
BS 598-102:1996 + Amd.1 Method 5.2	Sampling and examination of bituminous mixtures for roads and other paved areas — Analytical test methods Binder Content and aggregate grading of bituminous samples - Extraction bottle method: binder directly determined
BS 598-102:2003 + Amd.1 Method 5.2	Sampling and examination of bituminous mixtures for roads and other paved areas — Analytical test methods Binder Content and aggregate grading of bituminous samples - Extraction bottle method: binder directly determined
BS EN 1097-2: 2020 Cl. 5	Tests for mechanical and physical properties of aggregates - Methods for the determination of resistance to fragmentation Determination of resistance to fragmentation by the Los Angeles test method
BS EN 1097-5: 2008 with modifications	Tests for mechanical and physical properties of aggregates - Determination of the water content by drying in a ventilated oven
BS EN 1097-6: 2013 Cl. 7	Tests for mechanical and physical properties of aggregates - Determination of particle density and water absorption Wire basket method for aggregate particles passing the 63 mm test sieve and retained on the 31,5 mm test sieve
BS EN 1097-6: 2013 Cl. 8	Tests for mechanical and physical properties of aggregates - Determination of particle density and water absorption Pyknometer method for aggregate particles passing the 31,5 mm test sieve and retained on the 4 mm test sieve
BS EN 1097-6: 2013 Cl. 9	Tests for mechanical and physical properties of aggregates - Determination of particle density and water absorption Pyknometer method for aggregate particles passing the 4 mm test sieve and retained on the 0,063 mm test sieve
BS EN 12390-2: 2009	Testing hardened concrete - Making and curing specimens for strength tests
BS EN 12390-2: 2019	Testing hardened concrete - Making and curing specimens for strength tests
BS EN 12390-3: 2009	Testing hardened concrete - Compressive strength of test specimens
BS EN 12390-3: 2019	Testing hardened concrete - Compressive strength of test specimens
BS EN 12390-5: 2009	Testing hardened concrete - Flexural strength of test specimens
BS EN 12390-5: 2019	Testing hardened concrete - Flexural strength of test specimens
BS EN 12390-7: 2009	Testing hardened concrete - Density of hardened concrete
BS EN 12390-7: 2019	Testing hardened concrete - Density of hardened concrete
BS EN 12697-3	Bituminous mixtures - Test methods for hot mix asphalt - Bitumen recovery: Rotary evaporator
BS EN 12697-6: 2020	Bituminous mixtures. Test methods - Determination of bulk density of bituminous specimens
BS EN 12697-8: 2003	Bituminous mixtures. Test methods - Determination of void characteristics of bituminous specimens
BS EN 13303: 2017	Bitumen and bituminous binders - Determination of the Loss in mass after heating of industrial bitumen
BS EN 932-2: 1999 (excluding Cl. 7 & Cl. 12)	Tests for general properties of aggregates - Methods for reducing laboratory samples
BS EN 933-10:2009	Tests for geometrical properties of aggregates - Assessment of fines. Grading of filler aggregates (air jet sieving)
BS EN 933-10:2009 modifications	Tests for geometrical properties of aggregates - Assessment of fines. Grading of filler aggregates (air jet sieving)

TL-1260

MATERIAL TECH co. ltd.

Effective Date December 17, 2025

Page 5 of 6

IAS/TL/100-1



SCOPE OF ACCREDITATION

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Hong Kong International Airport General Material & Workmanship Specification (GMWS) Issue No. 5b (2019) Vol. 1 – Civil & Structural Works App. A7.2	Moisture content of fine grained and medium grained material by the microwave oven drying method
Hong Kong International Airport General Materials & Workmanship Specification (GMWS) Issue. No. 5b (2019) Volume 1 Appendix A6.2	Compaction Fraction Value of Aggregates for Granular Bed
In-house method	Determination of Absorbance Peak Height Ratio Value by ATR-FTIR
In-house method	Sample Preparation for Absorbance Peak Height Ratio Value for Bituminous paving mixtures

Satellite Lab

Fire Testing	
BS 476-20	Fire tests on building materials and structures – Part 20: Method for determination of the fire resistance of elements of construction (general principles)
BS 476-22	Fire tests on building materials and structures – Part 22: Method for determination of the fire resistance of non-loadbearing elements of construction
BS EN 1363-1	Fire resistance tests – Part 1: General requirements
BS EN 1363-2	Fire resistance tests – Part 2: Alternative and additional procedures
BS EN 1364-1	Fire resistance tests for non-loadbearing elements – Part 1: Walls
BS EN 1364-2	Fire resistance tests for non-loadbearing elements – Part 2: Ceilings
BS 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
BS EN 14600	Doorsets and openable windows with fire resisting and/ or smoke control characteristics. Requirements and classification
BS EN 16034	Pedestrian doorsets, industrial, commercial, garage doors and openable windows. Product standard, performance characteristics. Fire resisting and/or smoke control characteristics
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
ISO 8302	Thermal insulation - Determination of steady-state thermal resistance and related properties - Guarded hot plate apparatus

