Issue date: 13 October 2025
Valid Until: -

NO: SAMM 1007

LABORATORY LOCATION/ CENTRAL OFFICE:	Test Sdn. Bhd. No. 3 & 5, Jalan Anggerik Mokara 31/51 Kota Kemuning, Seksyen 31 40460 Shah Alam, Selangor , 40460, SELANGOR MALAYSIA
ACCREDITED SINCE :	13 OCTOBER 2025
FIELD(S) OF TESTING:	MECHANICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment 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 test results and 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 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Test Sdn. Bhd. No. 3 & 5, Jalan Anggerik Mokara 31/51 Kota Kemuning, Seksyen 31 40460 Shah Alam, Selangor , 40460, Selangor
FIELD(S) OF TESTING :	MECHANICAL,

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Hardened Concrete	Static modulus of elasticity in compression	BS 1881:Part 121:1983 MS 26:Part 2:1991, Section 8 ISO 1920-10:2010 ASTM C469/C469M-22
	Compressive strength of concrete cylinder	BS 1881:Part 121:1983 BS EN 12390-3:2019 MS EN 12390-3:2012 ASTM C39/C39M-21
	Water permeability test of hardened concrete	DIN 1048:Part 5:1991 BS EN 12390-8:2019 MS EN 12390-8:2012
	Water absorption of concrete core	BS 1881:Part 122:2011 MS 26:Part 2:1991, Section 9

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Ultrasonic pulse velocity measurement	BS EN 12504-4:2021 BS 1881:Part 203:1986 ASTM C597-22
	Rebound hammer test	BS EN 12504-2:2021 BS 1881:Part 202:1986 ASTM C805/C805M-18 ASTM D5873-14
	Flexural tensile test of fibered concrete	BS EN 14651:2005+A1:2007
	Creep of concrete in compression	BS EN 12390-17:2019 ISO 1920-9:2009 (E) ASTM C512/C512M-24
	Drying shrinkage of hardened concrete	USBR 4901-92 BS EN 12390-16:2019 BS ISO 1920-8:2009
Steel Material	Bend Test	BS 4449:2005+A2:2009 BS EN ISO 7438:2020 MS ISO 7438:2017 ASTM A370-22
	Rebend test (bend performance)	BS 4449:2009 MS 146:2014 ASTM A370-22
	Steel thickness test	ISO 17577:2016
	Steel hardness test	ASTM A956/A956M-22
Soils	Determination of the plastic limit and plasticity index	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 5 MS 1056:Part 2:2013, Clause 6 BS EN ISO 17892-12:2018
	Determination of the one-dimensional consolidation properties	BS 1377:Part 1:2016 BS 1377:Part 5:1990, Clause 3 MS 1056:Part 5:2013, Clause 4 BS EN ISO 17892-5:2017
	Determination of shear strength by direct shear (Small shearbox apparatus)	BS 1377:Part 1:2016 BS 1377:Part 7: 1990, Clause 4 MS 1056:Part 7:2013, Clause 5 BS EN ISO 17892-10:2018
	Determination of the unconfined compressive strength (Load frame method)	BS 1377:Part 1:2016 BS 1377:Part 7: 1990, Clause 7.2 MS 1056:Part 7:2013, Clause 8.2 BS EN ISO 17892-7:2018

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of the undrained shear strength in triaxial compression without measurement of pore pressure (definitive method)	BS 1377:Part 1:2016 BS 1377:Part 7: 1990, Clause 8 MS 1056:Part 7:2013, Clause 9 BS EN ISO 17892-8:2018
	Consolidated-undrained triaxial compression test with measurement of pore pressure	BS 1377:Part 1:2016 BS 1377:Part 8: 1990, Clause 1-7 MS 1056:Part 8:2013, Clause 1-9 BS EN ISO 17892-9:2018, Clause 6.7.2 (CIU)
	Field Density Test (FDT) Sand Replacement Method (Small Pouring) & (Large Pouring)	BS 1377: Part 9: 1990 Clause 2.1 & Clause 2.2 MS 1056: Part 9: 2013, Clause 4.2 & Clause 4.3
	Determination of particle size distribution (Wet sieving, dry sieving and sedimentation by hydrometer method)	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 9.2, 9.3, 9.5 MS 1056:Part 2:2013, Clause 10.2, 10.3, 10.5 BS EN ISO 17892-4:2016, Clause 5.2, 5.3
	Determination of the liquid limit (Casagrande apparatus method)	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 4.5 MS 1056:Part 2:2013, Clause 5.5 BS EN ISO 17892-12:2018
	Determination of dry density/moisture content relationship	BS 1377:Part 1:2016 BS 1377:Part 4:1990, Clause 3 (expect Clause 3.7) BS 1377:Part 2:2022, Clause 11 (expect Clause 11.7) MS 1056:Part4:2013, Clause 4 (expect Clause 4.7)
	Determination of density (Linear measurement method)	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 7.2 MS 1056:Part 2:2013, Clause 8.2 BS EN ISO 17892-2:2014, Clause 5.1

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	Linear shrinkage	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 6.5 BS 1377:Part 2:2022, Clause 7 MS 1056:Part 2:2013, Clause 7.5
	Determination of liquid limit (Cone penetrometer method)	BS 1377:Part 1:2016 BS 1377:Part 2:1990, Clause 4.3 MS 1056:Part 2:2013, Clause 5.3 BS EN ISO 17892-12:2018
Rocks	Uniaxial compressive strength of intact rock core specimens	ASTM D7012-23, Method C
	Elastic moduli of intact rock core specimens in uniaxial compression	ASTM D7012-23, Method D
	Determination of the point load strength index of rock and application to rock strength classifications	ASTM D5731-16
	Laboratory determination of abrasiveness of rock using the CERCHAR method	ASTM D7625-22
	Laboratory direct shear strength tests of rock specimens under constant normal force	ASTM D5607-16