

# Schedule

Admaterials Technologies Sdn Bhd  
No 18 Jalan Mega 1/5  
Taman Perindustrian Nusa Cemerlang  
79200 Nusajaya Johor  
Malaysia

Certificate No. : LA-2008-0422-B-1

Issue No. : 5

Date : 05 January 2021

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FIELD OF TESTING : Civil Engineering Testing

MATERIALS / PRODUCTS TESTED		TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT	SIGNATORY
A.	Aggregate	1. Particle Size Distribution / Sieve Analysis	BS EN 933-1: 2012 ASTM C136 / C136M - 19 BS 812 Part 103.1: 1985	LJP, SW
		2. Clay, Silt and Dust (Decantation Method)	BS EN 933-1: 2012 ASTM C117 - 17 BS 812 Part 103.1: 1985	
		3. Moisture Content (Oven Dried Method)	BS EN 1097 -5: 2008 BS 812 Part 109: 1990	
		4. Bulk Density	BS EN 1097- 3: 1998 BS 812 Part 2: 1995	
		5. Relative Density & Water Absorption	BS EN 1097-6: 2013 BS 812 Part 2: 1995 ASTM C127 - 15 ASTM C128 - 15 (Gravimetric Method)	
		6. Shell Content	BS EN 933-7: 1998 BS 812 Part 106: 1985	
		7. Flakiness Index	BS EN 933-3: 2012 BS 812 Part 105.1: 1989 BS EN 933-4: 2008	
		8. Shape Index		
		9. Los Angeles Abrasion	BS EN 1097-2: 2020 ASTM C131/C131M – 20 ASTM C535 - 16	
		10. Soundness Test	BS EN 1367-2: 2009 ASTM C88/C88M - 18 BS 812 Part 121: 1989	
		11. Organic Impurities	ASTM C40 / C40M - 20	
		12. Humus Content	BS EN 1744-1: 2009 + A1: 2012 (Clause 15.1)	

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<b>B.</b>	<b>Hardened Concrete</b>	13. Elongation Index	BS 812 Part 105.2: 1990	LJP, SW
		14. Crushing Value	BS 812 Part 110: 1990	
		15. 10% Fines Value	BS 812 Part 111: 1990	
		16. Fineness Modulus	ASTM C136 / C136M -19	
		1. Compressive Strength	BS EN 12390-3: 2019 BS 1881: Pt 116: 1983 BS EN 12504-1: 2019	
		2. Flexural Strength	BS EN 12390-5: 2019 BS 1881: Pt 118: 1983	
		3. Water Absorption	BS 1881: Pt 122: 2011	
		4. Water Permeability	DIN 1048: Pt 5 – 1991	
	5. Depth of Penetration of Water Under Pressure	BS EN 12390-8: 2019		
	6. Calibration of Cube Mould	BS EN 12390-1:2012		
	7. Concrete's Ability to Resist Chloride Ion Penetration (Rapid Chloride Permeability Test)	ASTM C1202 - 19		
<b>C.</b>	<b>Metal Product: 1. Reinforcement Bar</b>	1. Tensile Testing (Range of 0 to 600kN)	BS EN ISO 15630-1: 2019 ISO 6892-1: 2019 (BS 4482: 2005) (BS 4449:2005+A3:2016) (SS 560: 2016) (SS 566: 2011) MS ISO 15630-1:2012 (MS 146: 2014) *SS456: 1999 (SS 2: Part 1:1999) (SS 2: Part 2:1999) (SS 2: Part 3:1987)	LJP, SW
		2. Bend & Re-Bend Test	BS EN ISO 15630-1: 2019 ISO 6892-1: 2019 (BS 4482: 2005) (BS 4449:2005+A3:2016) (SS 560: 2016) (SS 566: 2011) MS ISO 15630-1:2012 (MS 146: 2014)	

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<b>C. Metal Product:</b> <b>1. Reinforcement Bar</b>  <b>2. Steel Wire / Fabric</b>	1. Tensile Test	*SS427: 1998 (SS 2: Part 1:1999) (SS 2: Part 2:1999) (SS 2: Part 3:1987) *ISO 10065: 1990  BS EN ISO 15630-2: 2019 (BS 4483: 2005) (SS 561: 2010) *SS 456: 1999 (SS 18: Part 1: 1999) (SS 32: Part 1: 1999) (SS 18: Part 2: 1970) (SS 32: Part 2: 1986)	LJP, SW
	2. Bend & Re-Bend Test	BS EN ISO 15630-2: 2019 (BS 4483: 2005) (SS 561: 2010) *SS 427: 1998 (SS 18: Part 1: 1999) (SS 32: Part 1: 1999) (SS 18: Part 2: 1970) (SS 32: Part 2: 1986) * superseded standard shown for continuity	
<b>D. Cement/Mortar/ Grout</b>	1. Compressive Strength	ASTM C109 / C109M – 20b	LJP, SW
	2. Bulk Density of Fresh Mortar	BS EN 1015-6: 1999	
	3. Flow	ASTM C1437 - 15	
	4. Setting Time	BS EN 196-3: 2016	

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## Approved Signatories

Mr. Lu Jin Ping (LJP)

Ms. Sherly Wijaya (SW)

## 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 test results. 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.