

Schedule

Issue date: 18 March 2025
Valid Until: -



NO: SAMM 059

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LABORATORY LOCATION/ CENTRAL OFFICE:	Associated Pan Malaysia Cement Sdn Bhd, Perak (Kanthan Plant) Batu 13 ? Miles Jalan Kuala Kangsar 31200 Chemor, Perak , 31200, PERAK MALAYSIA
	
ACCREDITED SINCE :	18 MARCH 2025
FIELD(S) OF TESTING:	MECHANICAL CHEMICAL

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:	Associated Pan Malaysia Cement Sdn Bhd, Perak (Kanthan Plant) Batu 13 ? Miles Jalan Kuala Kangsar 31200 Chemor, Perak , 31200, Perak
FIELD(S) OF TESTING :	MECHANICAL, CHEMICAL

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Ordinary Portland Cement	<u>Physical Properties</u> Fineness Blaine Method	MS EN 196-6: 2021 Clause 4
	Setting time Initial (minutes) Automatic vicat apparatus	MS EN 196-3: 2022 Clause 6
	Soundness Expansion (mm) Le Chatelier method	MS EN 196-3: 2022 Clause 7
	Standard consistence % water Vicat apparatus	MS EN 196-3: 2022 Clause 5

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Compressive Strength Mortar prisms (N/mm ²) (1,2,7 and 28 days)	MS EN 196-1: 2021
Masonry Cement	Physical properties Fineness Blaine Method	MS EN 196-6: 2021 Clause 4
	Setting time Initial (minutes) Automatic vicat apparatus	MS EN 196-3: 2022 Clause 6
	Soundness Expansion (mm) Le Chatelier method	MS EN 196-3: 2022 Clause 7
	Setting Time Initial & Final (minutes)	MS EN 413-2: 2012 Clause 4.2
	Water Retention %	MS EN 413-2: 2021 Clause 6
	Air Content %	MS EN 413-2: 2021 Clause 7.2
	Fineness (Sieve Method) %	MS EN 196-6: 2021 Clause 3
	Compressive Strength Mortar Prisms (N/mm ²) (7 & 28 days)	MS EN 196-1: 2021
	Consistence of Fresh Mortar	MS EN 413-2: 2021 Clause 5.2
		MS EN 196-6: 2021 Clause 4
Pulverised Fuel Ash Cement (pfa Cement)	Physical Properties Fineness Blaine Method	
	Setting time Initial (minutes) Automatic vicat apparatus	MS EN 196-3: 2022 Clause 6
	Soundness Expansion (mm) Le Chatelier method	MS EN 196-3: 2022 Clause 7
	Compressive Strength Mortar prisms (N/mm ²) (1,2,7 and 28 days)	MS EN 196-1: 2021
Portland Limestone Cement	Fineness Blaine Method	MS EN 196-6: 2021 Clause 4
	Setting time Initial (minutes) Automatic vicat apparatus	MS EN 196-3: 2022 Clause 6
	Soundness Expansion (mm) Le Chatelier method	MS EN 196-3: 2022 Clause 7
	Compressive strength: Mortar prism N/mm ² (2,7 & 28 days)	MS EN 196-1: 2021

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Pulverised Fuel Ash Cement (pfa Cement)	% Loss on Ignition	MS EN 196-2: 2020 Clause 5.4
	% Chloride	MS EN 196-2: 2020 Clause 4.5.16
	% Sulphate(expressed as SO ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Silica (SiO ₂)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Alumina (Al ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Ferric Oxide (Fe ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Magnesia Oxide(MgO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Calcium Oxide (CaO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
Portland Limestone Cement	% Loss on Ignition	MS EN 196-2: 2020 Clause 5.4
	% Chloride	MS EN 196-2: 2020 Clause 4.5.16
	% Sulphate(expressed as SO ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Silica (SiO ₂)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Alumina (Al ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Ferric Oxide (Fe ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Magnesia Oxide (MgO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Calcium Oxide (CaO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
Ordinary Portland Cement	% Loss-On-Ignition	MS EN 196-2: 2020 Clause 5.4
	% Insoluble residue	MS EN 196-2: 2020 Clause 4.4.3
	% Chloride	MS EN 196-2: 2020 Clause 4.5.16
	% Potassium Oxide (K ₂ O)	MS EN 196-2: 2020 Clause 4.5.19
	% Sodium Oxide (Na ₂ O)	MS EN 196-2: 2020 Clause 4.5.19
	% Free Lime	MS EN 196-2: 2020 National Annex NA
	% Sulphate (expressed as SO ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Silica (SiO ₂)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Alumina (Al ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Ferric Oxide (Fe ₂ O ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Magnesia Oxide (MgO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)

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	% Calcium Oxide (CaO)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
Masonry Cement	% Sulphate(expressed as SO ₃)	MS EN 196-2: 2020 Clause 5.0 (XRF Analysis)
	% Chloride	MS EN 196-2: 2020 Clause 4.5.16