

**FC6.1.084.V - Fulton Hogan - Melbourne Airport Zulu Taxiway
5.0MPa Flexural Strength PCC (for Aircraft Pavement) ITP**

Issue Date: 22-May-2024

Owner: TMVC

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Holcim Melbourne Airport

Test - Tester

Tech - Technical Manager

PS – Production Supervisor

Trans – Transport

W - Witness Point (Holcim checks result)

Lab Mgr - Lab Manager

Qal Mgr - Quality Manager

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No.	Code / Spec Ref	Inspection Description	Test / inspection method	Acceptance Criteria	Frequency	Initiated by	Approved by	Verification / witness			Verifying document	Record Location
								Supplier	HOL	Company		
1) Plant												
1.1	AS1379 4.2.1	Batch tolerances		AS1379 Table 4.1	Each Batch	PS	PS		W		Electronic	Batch computer
1.2	HOL QMS PN6.1	Record Plant Malfunctions		All plant malfunctions are to be documented	Each Time	PS	AOM		W		Register	AOM office
1.3	AS1379.3.3.2	Weigh Hopper (Cem & Agg)	AS1379	± 0.4% of the Max. Scale Value	VicRoads Min. 3 Monthly	PS	AOM		W		Calibration Report	Google
1.4	AS1379.3.4.2	Water Meters (Plant, Slump Stands & Trucks)	TRBE652973	± 2%	VicRoads Min. 3 Monthly	PS	AOM		W		Calibration Report	Google
1.5	AS1379.3.4.2	Admixtures	BASF TM033	± 5%	VicRoads Min. 3 Monthly	PS	AOM		W		Calibration Report	Google
2) Cementitious materials												
2.1	AS1379.2.2	Type GP cement	AS2350	AS3972 Table 2	Cement Australia Supplied (as per AS3972 Clause 5.2)	Supplier	Tech Mgr	W, R	W	H	Supplier test report	Tech Mgr office
	BECA CI 11.4.7, 11.24.5	Reference Sample	-	-	Plant Sample : 10kg / 1000 tonnes	Supplier	Tech Mgr			W	Record only	Tech Mgr office
2.2	AS1379.2.2	Flyash	AS3583	AS/NZS3582.1 Table 1 - Grade 1	Cement Australia Supplied (as per AS/NZS3582.1 Table 2)	Supplier	Tech Mgr	W, R	W	H	Supplier test report	Tech Mgr office
2.3	AS1379.2.2	Slag	AS3583	AS3582.2 Table 1	Cement Australia Supplied (as per AS3582.2 Table 2)	Supplier	Tech Mgr	W, R	W	H	Supplier test report	Tech Mgr office
3) Coarse Aggregate												
3.1	AS1379.2.3	Particle Size Distribution	AS1141.11.1	AS1379.2.3	1/1000 tonnes	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.2	AS1379.2.3	Flakiness Index	AS1141.15	AS1379.2.3	1 per month	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.3	AS1379.2.3	Particle Density & Water Absorbtion	AS1141.6.1, AS1141.5	AS1379.2.3	1 per 3 months	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.4	AS1379.2.3	Los Angeles Abrasion Index Value	AS1141.23	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office

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3.5	AS1379.2.3	Weak Particles	AS1141.32	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.6	AS1379.2.3	Wet/Dry Strength Variation	AS1141.22, AS2758.7	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.7	AS1379.2.3	Petrographic Analysis	ASTM C295	AS1379.2.3	1 per 2 years	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.8	AS1379.2.3	Sodium Sulphate Soundness	AS1141.24	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
3.9	BECA CI 11.4.6.2	Reference Sample	-	-	Once Only : 2 x 25kg samples of each coarse aggregate fraction	Supplier	Tech Mgr			W	Record only	Tech Mgr office
4) Fine Aggregate												
4.1	AS1379.2.3	Particle Size Distribution	AS 1141.11.1	AS1379.2.3	1/1000 tonnes	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.2	AS1379.2.3	Sodium Sulphate Soundness	AS1141.24	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.3	AS1379.2.3	Particle Density & Water Absorbition	AS1141.6.1, AS1141.5	AS1379.2.3	1 per 3 months	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.4	AS1379.2.3	Petrographic Analysis	ASTM C295	AS1379.2.3	1 per 2 years	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.5	AS1379.2.3	Sugar Content	AS1141.35	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.6	AS1379.2.3	Clay & Fine Silts	AS1141.33	AS1379.2.3	1/1000 tonnes	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.7	AS1379.2.3	Organic Impurities	AS1141.34	AS1379.2.3	1 per month	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.8	AS1379.2.3	pH Value	AS1289.4.3.1	AS1379.2.3	1 per year	Supplier	Tech Mgr	W, R	W		Supplier test report	Tech Mgr office
4.9	BECA CI 11.4.6.2	Reference Sample	-	-	Once Only : 2 x 25kg samples of fine aggregate	Supplier	Tech Mgr			W	Record only	Tech Mgr office

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5) Water												
5.1	AS1379.2.4	Mains water		Main complies	Nil							
5.2	AS1379.2.4	Non mains water ~ Sugar ~ Oil & grease ~ pH ~ Chlorides ~ Sulfates ~ Total suspended solids	AS1141.35 APHA 5520 AS1580.505.1	100 mg/L max 50 mg/L max > 5 500 mg/L max 500 mg/L max 2000 mg/L max	1 / 6 months	AOM	Tech Mgr		W		Lab report	Tech Mgr office
6) Admixtures												
6.1	AS1379.2.5	WR Admixture general acceptance	AS1478.2	AS1478.1 Table 2.1	Initial	Tech Mgr	Tech Mgr	W, R	W		Supplier report	Tech Mgr office
6.2	AS1379.2.5	WR Admixture Uniformity test	AS1478.2	AS1478 CI 2.1.3 [Supplier specs for pH (+/- 1), Relative density (+/- 0.02), Non-volatile content (+/- 2%)]	MBCC Supplied (Each Batch)	Supplier	Tech Mgr	W, R	W		Test Reports	Plant
6.3	AS1379.2.5	AEA Admixture general acceptance	AS1478.2	AS1478.1 Table 2.1	Initial	Tech Mgr	Tech Mgr	W, R	W		Supplier report	Tech Mgr office
6.4	AS1379.2.5	AEA Admixture Uniformity test	AS1478.2	AS1478 CI 2.2.3 [Supplier specs for pH (+/- 1), Relative density (+/- 0.01), Non-volatile content (+/- 1%)]	MBCC Supplied (Each Batch)	Supplier	Tech Mgr	W, R	W		Test Reports	Plant
7) Transport												
7.1	HOL QMS PN6.1	Agitator blade inspection	-	Concrete Barrel Solution - No excess buildup, No excess wear	1 / 3 months	PS	AOM		W		Inspection report	Plant
7.2	AS1379 3.5.1 (a)	Mixer uniformity test	AS1012	AS1379 Appendix A Table A1	Initial for agi type	Trans	Tech Mgr		W		Manufacturer report HOL test report	Tech Mgr office