

CCC STABILISED AP40
TEST REPORT



Project : Quality Assurance
 Location : Production Stock
 Client : Road Metals Company Limited
 Contractor : Various
 Sampled by : Paul Campbell
 Date sampled : 15 October 2024
 Sampling method : NZS 4407: 2015 (2.4.6.3.2)
 Sample description : CCC Stabilised AP40
 Sample condition : Damp as received
 Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC
 Lab Ref No : CH11954
 Client Ref No : RM40266

Particle Size Distribution		
Sieve Size (mm)	Percentage Passing	
	Sample	Limits
63.0	-	100 - 100
37.5	100	100 - 100
19.0	81	80 - 95
9.5	51	50 - 75
4.75	34	30 - 50
2.36	26	20 - 38
1.18	21	17 - 33
0.600	18	14 - 28
0.300	15	10 - 23
0.150	11	8 - 20
0.075	9	5 - 12

% passing the finest sieve is obtained by difference

Grading Shape Control		
Fraction (mm)	% Within Fraction	
	Sample	Limits
19.0 - 4.75	47	28 - 48
9.5 - 2.36	25	14 - 34
4.75 - 1.18	13	7 - 27
2.36 - 0.600	8	6 - 22
1.18 - 0.300	6	5 - 19
0.600 - 0.150	7	2 - 14

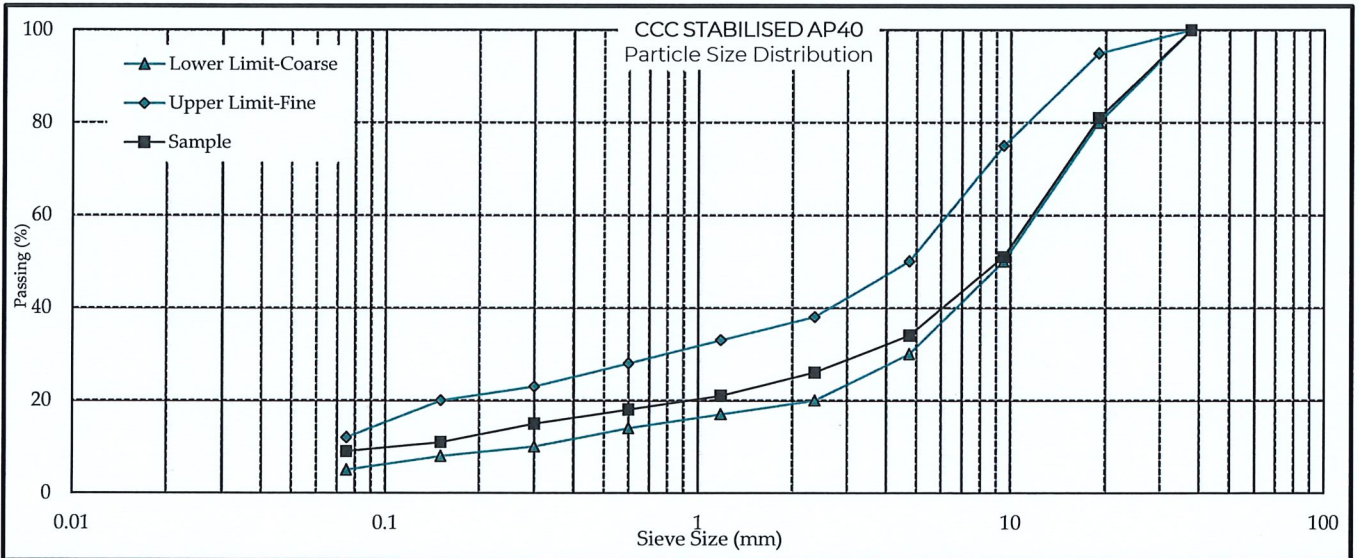
Crushing Resistance		
% Fines @ Spec. Load	-	%
Specification	-	%
Crushing Resistance	-	kN
Nom Aggregate Size	-	mm
Specified Load	-	kN

Broken Faces Content of Aggregate		
Fraction (mm)	Percentage by Weight	
	Sample	Lower Limit
37.5 - 19.0	68	50
19.0 - 9.5	72	50
9.5 - 4.75	81	50

Plasticity Index	
Sample PI	-
Specification	<= 5

Clay Index	
Sample CI	-
Specification	<= 3

Sand Equivalent (Washed, Mechanical Shaking)	
Sample SE	-
Specified	>= 40



Test Methods		
Particle Size Distribution	NZS 4407 : 2015 : Test 3.8.1	Broken Faces Content of Aggregate NZS 4407 : 2015 : Test 3.14

Date tested : 25 October 2024
 Date reported : 4 November 2024

Sampling is covered by IANZ Accreditation
 This report may only be reproduced in full
 All information supplied by Client

Approved Signatory 
 Designation : Laboratory Manager
 Date : 4 November 2024



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

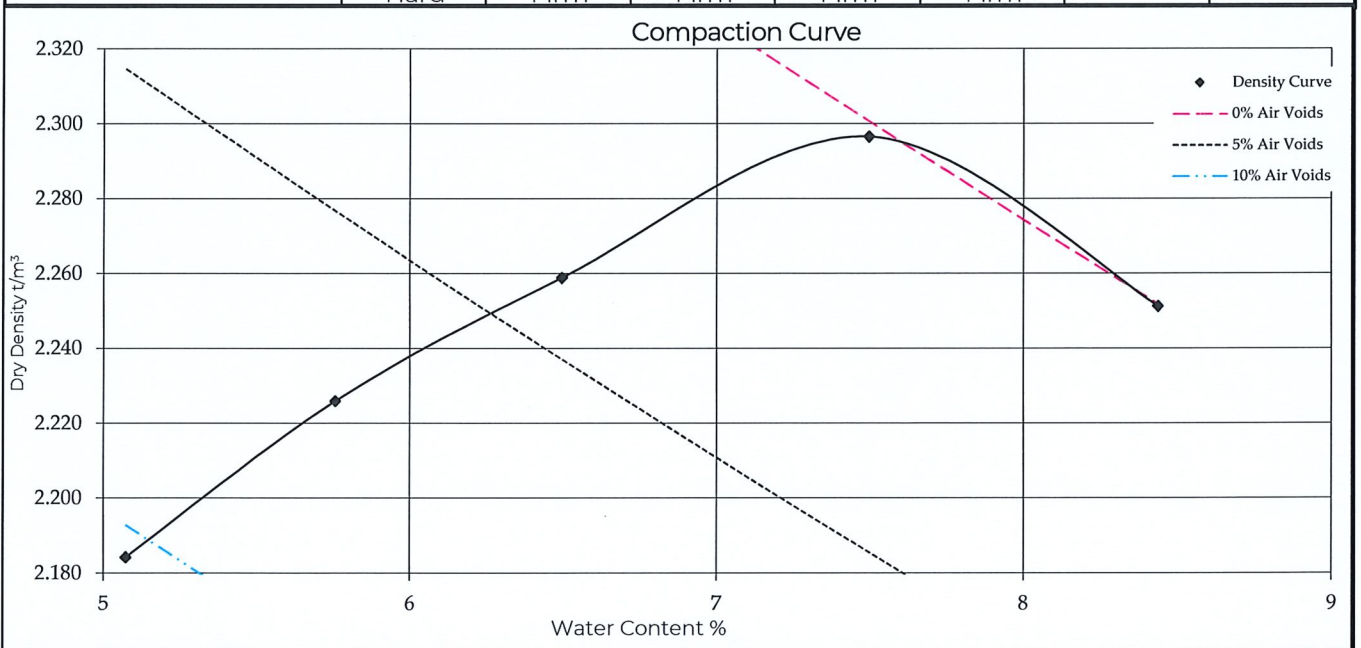
**DRY DENSITY / WATER CONTENT RELATIONSHIP
VIBRATING COMPACTION**



Project : Quality Assurance
 Location : Production Stock
 Client : Road Metals Company Limited
 Contractor : Various
 Sampled by : Paul Campbell
 Date sampled : 15 October 2024
 Sampling method : NZS 4407: 2015 (2.4.6.3.2)
 Sample description : CCC Stabilised AP40
 Sample condition : Damp as received
 Solid density : 2.78 t/m³ (Assumed)
 Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC
 Lab Ref No : CH11954
 Client Ref No : RM40266

Test Results							
Maximum dry density	2.30	t/m ³	Natural water content		-	%	
Optimum water content	7.5	%	Fraction tested		Whole		
Sample ID			+2%	+3%	+4%	+5%	+6%
Bulk density	t/m ³		2.295	2.354	2.406	2.469	2.441
Water content	%		5.1	5.8	6.5	7.5	8.4
Dry density	t/m ³		2.184	2.226	2.259	2.297	2.251
Sample condition			Wet Hard	Wet Firm	Wet Firm	Wet Firm	Saturated Firm



Test Methods	Notes
Compaction NZS 4402:1986: Test 4.1.3	All information supplied by Client

Date tested : 25 October 2024
 Date reported : 4 November 2024

Sampling is covered by IANZ Accreditation
 This report may only be reproduced in full

Approved Signatory

Designation : Laboratory Manager
 Date : 4 November 2024



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation