

AP40
TEST REPORT



Project : Material Investigation
Location : Production Stock
Client : Road Metals Company Limited
Contractor : Various
Sampled by : Paul Campbell (Road Metals)
Date sampled : 16 May 2025
Sampling method : NZS 4407:2015 (2.4.6.3.2)
Sample description : AP40
Sample condition : Damp as Received
Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC
Lab Ref No : CH12755
Client Ref No : RM45436

Particle Size Distribution		
Sieve Size (mm)	Percentage Passing	
	Sample	Limits
63.0	-	
37.5	100	
19.0	80	
9.5	61	
4.75	39	
2.36	30	
1.18	25	
0.600	23	
0.300	20	
0.150	15	
0.075	12	

% passing the finest sieve is obtained by difference

Grading Shape Control		
Fraction (mm)	% Within Fraction	
	Sample	Limits
19.0 - 4.75	41	28 - 48
9.5 - 2.36	31	14 - 34
4.75 - 1.18	14	7 - 27
2.36 - 0.600	7	6 - 22
1.18 - 0.300	5	5 - 19
0.600 - 0.150	8	2 - 14

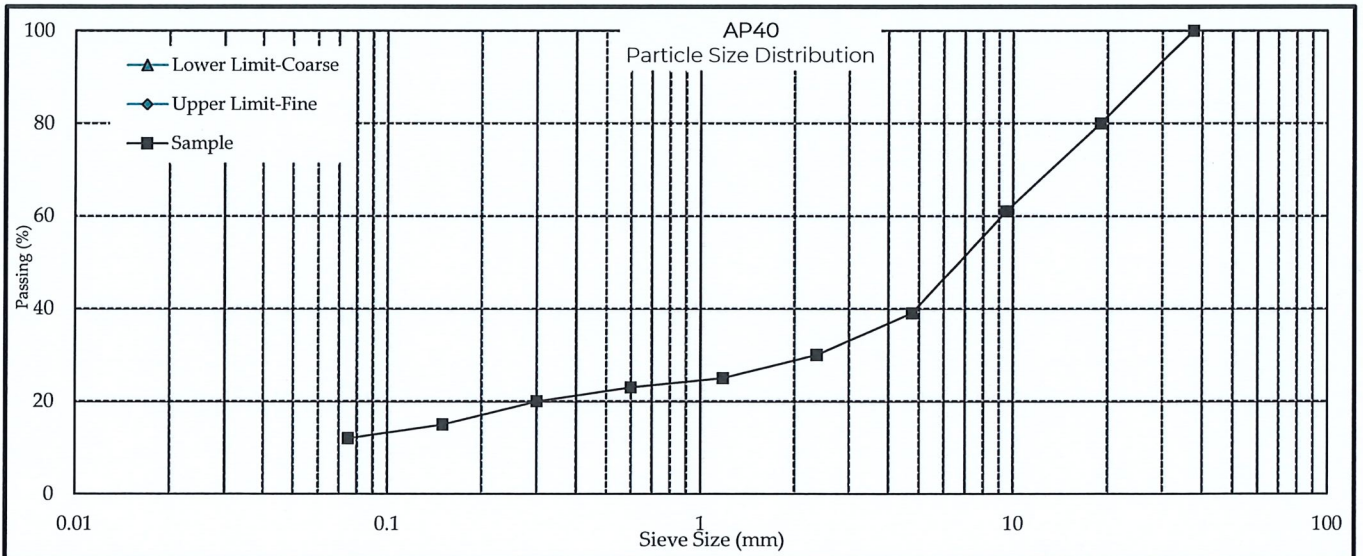
Crushing Resistance		
% Fines @ Spec. Load	-	%
Specification	-	%
Crushing Resistance	-	kN
Nom Aggregate Size	-	mm
Specified Load	-	kN

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

Plasticity Index	
Sample PI	-
Specification	

Clay Index	
Sample CI	-
Specification	

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



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 : 28 May 2025
Date reported : 9 June 2025

Sampling is covered by IANZ Accreditation
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All information supplied by Client

Approved Signatory
Designation : Laboratory Manager
Date : 9 June 2025



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

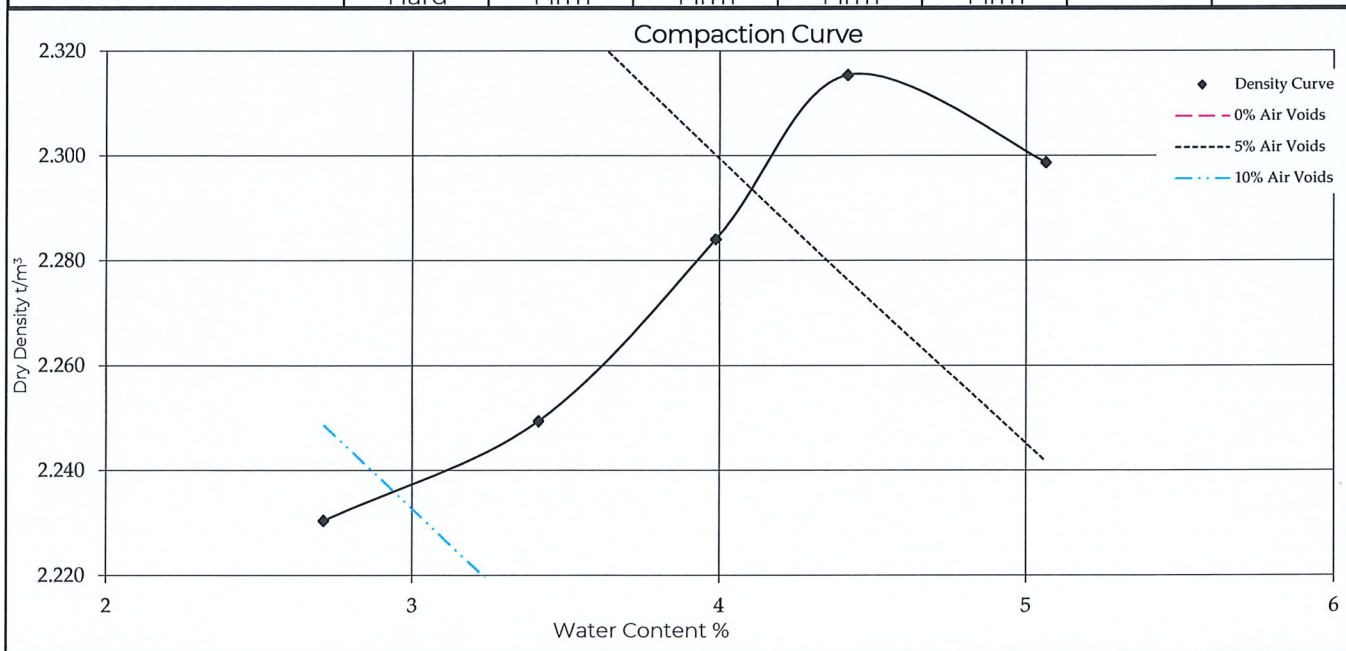
DRY DENSITY / WATER CONTENT RELATIONSHIP
VIBRATING COMPACTION



Project : Quality Assurance
Location : Production Stock
Client : Road Metals Company Limited
Contractor : Various
Sampled by : Paul Campbell (Road Metals)
Date sampled : 16 May 2025
Sampling method : NZS 4407: 2015 (2.4.6.3.2)
Sample description : AP40
Sample condition : Damp as received
Solid density : 2.68 t/m³ (Assumed)
Source : Yaldhurst Quarry

Project No : 6-JRMCO.16/6LC
Lab Ref No : CH12755
Client Ref No : RM45436

Test Results							
Maximum dry density	2.32	t/m ³	Natural water content		3.4	%	
Optimum water content	4.4	%	Fraction tested		Whole		
Sample ID	-1%	Nat	+1%	+2%	+3%		
Bulk density t/m ³	2.291	2.326	2.375	2.418	2.415		
Water content %	2.7	3.4	4.0	4.4	5.1		
Dry density t/m ³	2.230	2.249	2.284	2.315	2.299		
Sample condition	Moist 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 : 29 May 2025
Date reported : 9 June 2025

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Approved Signatory

Designation : Laboratory Manager
Date : 9 June 2025



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