

Technical Data Sheet – GVRCC40

Green Vision Recycling Recycling Crushed Concrete- GAP40

Source Properties	Standard	Test Method	GVR Typical Value
Crushing Resistance	NZS 4407 : 2015	Test 3.10	5.6% fines @ 130kN
Weathering Quality Index	NZS 4407 : 2015	Test 3.11	CB
CBR(Soaked)	NZS 4407 : 2015	Test 3.15	>120%
Production Properties			
Grading	NZS 4407 : 2015	Test 3.8.1	See Particle Size Distribution tables below
Plasticity Index	NZS 4407 : 2015	Tests 3.3 & 3.4	Non-Plastic (<5)
Clay Index	NZS 4407 : 2015	Test 3.5	2 – 3
Sand Equivalent	NZS 4407 : 2015	Test 3.6	25 – 30
Other Properties			
Maximum Dry Density(t/m ³)*	NZS 4402:1986	Test 4.1.3	1.80t/m ³
Optimum Water Content (%)	NZS 4402:1986	Test 4.1.3	10.33%
Foreign Material		Test T276	Type I 0.0% Type II 0.1% Type III 0.0%

*Standard Vibrating Hammer Test

Particle Size Distribution

	Sieve Sizes	Percentage Passing (%) Typical values
	Coarse Aggregates	37.5mm
	19.0mm	71
	9.5mm	49
	4.75mm	32
	2.36mm	19
	1.18mm	14
	0.6mm	11
	0.3mm	8
	0.15mm	6
	0.075mm	4

Shape Control

Sieve size	Grading Size	Results
	19.0 – 4.75mm	42
	9.5 – 2.36mm	24
	4.75 – 1.18	14
	2.36 – 0.6mm	8
	1.18 – 0.3mm	6
	0.6 – 0.15mm	5

Broken Faces

Broken Faces	Sieve Sizes	Percentage (%)
	4.75-9.5mm	100
9.5-19mm	100	
19-37.5mm	100	
>37mm	100	

MDD Compaction Data

Dry Density (t/m ³)	1.70	1.73	1.80	1.71	1.70
Water content (%)	7.85	9.17	10.33	11.45	12.77

