

QUARRY AGGREGATE DATA SHEET

Basic Information

Quarry Location	Huntly, Waikato
Type of Rock	Greywacke
Type of Aggregate	GAP 40
Type of Processing	Scalping



Quality
ISO 9001



Technical Information

Property		Standard	Test Method	Typical Value
Source	Crushing Resistance	NZS 3111 : 1986	Test 14	10% fines @ 240kN
	Solid Density	NZS 4407 : 2015	Test 3.7.1	2.67t/m ³
	Weathering Quality Index	NZS 4407 : 2015	Test 3.11	>CB
Production	Grading	NZS 4407 : 2015	Tests 3.8.1	See overleaf
	Plasticity Index	NZS 4407 : 2015	Tests 3.2, 3.3 & 3.4	8 to 14
	Sand Equivalent	NZS 4407 : 2015	Test 3.6	>20
	Clay Index	NZS 4407 : 2015	Test 3.5	<4.0
Other	CBR (soaked)	NZS 4407 : 2015	Test 3.15	>105
	MDD – NZ Vib Hammer	NZS 4402 : 1986	Test 4.1.3	2.18 t/m ³ @ 7% OWC
	MDD – Hvy Compaction		Test 4.1.2	2.10 t/m ³ @ 10% OWC
	MDD – Std Compaction		Test 4.1.1	1.98 t/m ³ @ 13% OWC
	Loose Unit Weight ⁱ	ASTM C29/29M-97	Shovelling procedure	M _{Dry} ≅ 1493 kg/m ³ M _{SSD} ≅ 1522 kg/m ³

Standard Applications

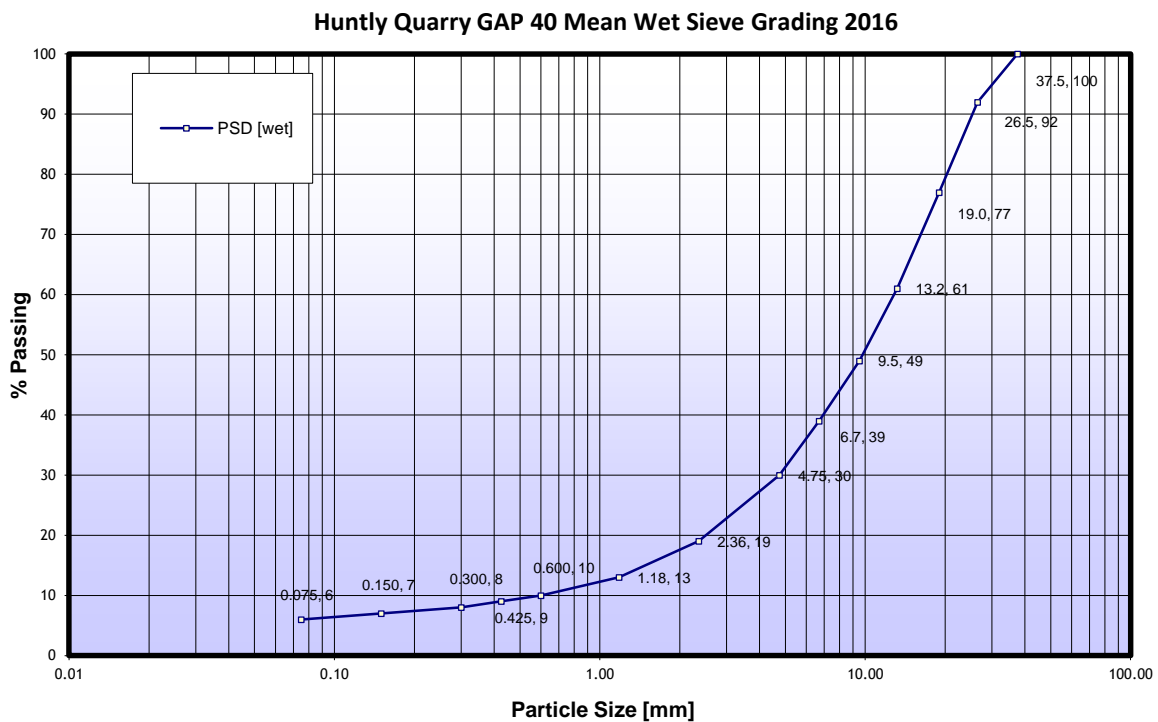
Roading	Hard-fill, Free Draining Fill, Subgrade Improvement, Subbasecourse.
Farming & Industry	Permanent & Temporary Roads and Platform Surfaces.
Civil Construction	Trench Bedding and Backfill, Paving Basecourse.

Chemical Treatment

GAP 40 responds well to lime and cement modification.

General Description

GAP 40 is a robust, general-purpose quarry aggregate. It is open-graded and has a high permeability rate. Conversely, it requires an increased compaction effort in the process of construction. GAP 40 has been widely used for many years in the Waikato Region, mainly due to its quality and affordability.



Disclaimer

The information in this leaflet is informal and it can be altered without notice. Due to the inherent variability of the parent rock, this aggregate must be subjected on each particular occasion to necessary testing and verification of the above outlined properties.

ⁱ The relationship between degrees of compaction/density for aggregates loose in a truck or stockpile compared to that achieved in this test is unknown. Moreover, surface water content in aggregates varies pending the season and it is not accounted for in this test.