

QUARRY AGGREGATE DATA SHEET

Basic Information

Quarry Location	Drury, South Auckland
Type of Rock	Greywacke
Type of Aggregate	DQ 65 (GAP 65)
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 @ 260kN
	Solid Density	NZS 4407 : 2015	Test 3.7.1	2.72t/m ³
	Weathering Quality Index	NZS 4407 : 2015	Test 3.11	>BB
Production	Grading	NZS 4407 : 2015	Tests 3.8.1	See overleaf
	Plasticity Index	NZS 4407 : 2015	Tests 3.2, 3.3 & 3.4	7 to 14
	Sand Equivalent	NZS 4407 : 2015	Test 3.6	>25
	Clay Index	NZS 4407 : 2015	Test 3.5	<4.0
Other	CBR (soaked)	NZS 4407 : 2015	Test 3.15	>125
	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	2.14 t/m ³ @ 10% OWC
	MDD – Std Compaction		Test 4.1.1	2.01 t/m ³ @ 13% OWC
	Loose Unit Weight ⁱ	ASTM C29/29M-97	Shovelling procedure	M _{Dry} ≅ 1546 kg/m ³ M _{SSD} ≅ 1563 kg/m ³

Standard Applications

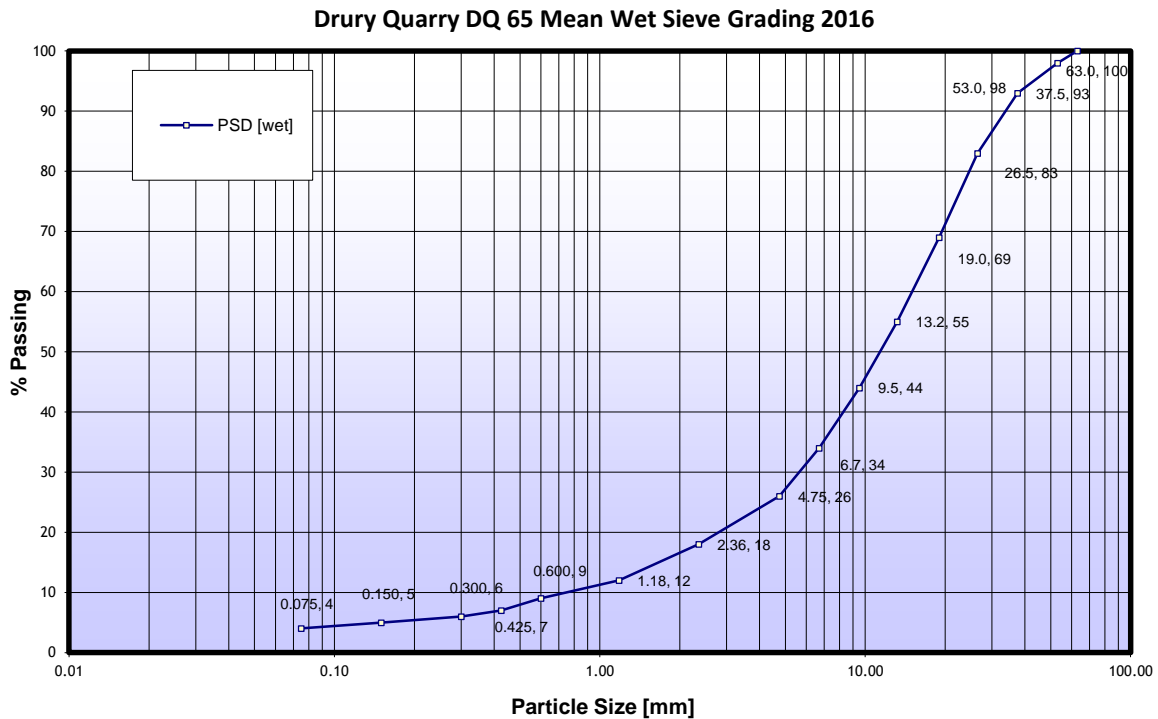
Roading	Hard-fill, Free Draining Fill, Subgrade Improvement, Subbasecourse.
Farming & Industry	Permanent & Temporary Roads and Platform Surfaces.
Civil Construction	Trench Bedding and Backfill, Paving Basecourse.

Chemical Treatment

DQ 65 responds well to lime and cement modification.

General Description

DQ 65 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. DQ 65 has been widely used for many years in the Greater Auckland 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.