

QUARRY AGGREGATE DATA SHEET

Basic Information

Quarry Location	Drury, South Auckland
Type of Rock	Greywacke
Type of Aggregate	TNZ M/4 AP40
Type of Processing	Three stage Scalping, Crushing, Washing and Screening or Pugmill Blend of High Quality Fines and Crushed AP40



Quality
ISO 9001



Technical Information

	Property	Standard	Test Method	Specification	Typical Value
Source	Crushing Resistance	NZS 4407 : 2015	Test 3.10	10% Max @ 130kN	2% @ 130kN
	Solid Density	NZS 4407 : 2015	Test 3.7.1	-	2.72t/m ³
	Weathering Quality Index	NZS 4407 : 2015	Test 3.11	>CA	AA or AB
Production	Grading	NZS 4407 : 2015	Tests 3.8.1	See overleaf	See overleaf
	Plasticity Index or	NZS 4407 : 2015	Tests 3.4	NP to 5	Non Plastic
	Sand Equivalent or	NZS 4407 : 2015	Test 3.6	>40	>35
	Clay Index	NZS 4407 : 2015	Test 3.5	<3.0	<2.0
	Repeated Load Triaxial (RLT)	NZTA T/15	Average permanent strain slope for all 6 stages shall be less than 0.55% per million load cycles.		0.26%
Other	CBR (soaked)	NZS 4407 : 2015	Test 3.15	>80	>200
	MDD – NZ Vib Hammer	NZS 4402 : 1986	Test 4.1.3	-	2.32 t/m ³ @ 5.5% OWC
	Loose Unit Weight ⁱ	ASTM C29/29M-97	Shovelling procedure	-	M _{dry} ≅ 1724 kg/m ³ M _{SSD} ≅ 1759 kg/m ³

Standard Applications

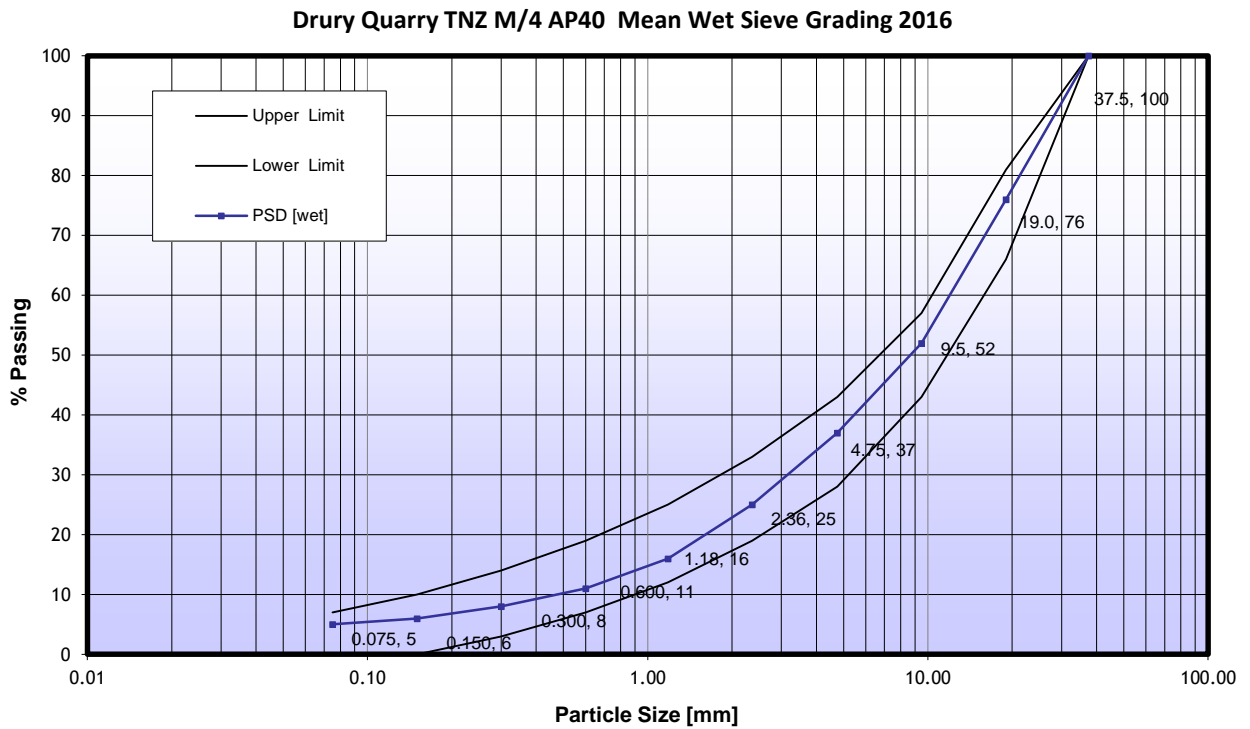
Roading	Premium Hard-fill, Subbase & Basecourse.
Farming & Industry	Permanent Roads and Platforms
Civil Construction	Trench Bedding and Backfill. Structural Hard-fill.

Chemical Treatment

TNZ M/4 AP40 responds well to lime and cement modification.

General Description

TNZ M/4 AP40 is a premium crushed rock product produced using a 3 stage crushing, Screening and washing system. At Drury the final washed crushed rock is fractionalised and recombined using computer control weigh-feeders to produce a consistent well graded AP40 product. TNZ M/4 AP40 complies with NZTA's 2006 M/4 specification. Compliance with Quality of Fines criteria is generally achieved via Clay Index.



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.