

# Trade Price List

## Laboratories

Auckland, 489 Hunua Road, Papakura. Phone 09 299 5991

Waikato, Whitehall Road, RD4, Cambridge, 3496. Phone 027 801 7821

Wellington, 541 Hebdon Crescent, Belmont. Phone 027 509 7426

Canterbury, Old West Road, Yaldhurst. Phone 027 509 2711

PRODUCT	PRICE \$
<b>NZS.3111:1986</b>	
Sieve Analysis and Calculation of FM	159.16
Moisture Content	38.42
Lightweight Particles	120.74
Unit Mass and Voids Content	98.79
Density and Absorption - Coarse Aggregate	181.11
Cleanness Value	115.26
Crushing Resistance	214.04
Weathering Resistance	559.79
Density and Absorption of Sand	208.55
Sand Equivalent	131.71
Voids Content, Flow Time and Percentage Oversize Material in Sand	301.85
<b>NZS3112:1982 Part 1</b>	
Slump (per hour)	83.23
Air Content % (Per Hour)	83.23
<b>NZS3112:1986 Part 2</b>	
Moulding and Curing Cylinders	
Compressive Strength (Set of 3)	142.69
<b>NZS4402:1986</b>	
Water Content	38.42
Standard Method by Wet Sieving	230.50
Standard Method by Wet Sieving (>40mm)	274.41
Subsidiary Method by Dry Sieving	159.16
Subsidiary Method by Dry Sieving (>40mm)	208.55
NZ Standard Compaction Test	482.95
NZ Heavy Compaction Test	532.35
NZ Vibrating Hammer Compaction	570.76
California Bearing Ratio	214.04
Dynamic Cone Penetrometer	18.67
<b>NZS4407:2015</b>	
Water Content	38.42

Winstone Aggregates A Division of Fletcher Concrete Limited

Prices are subject to regular review and purchase is subject to Winstone Aggregates' terms and conditions. Prices are based on single test. Prices do not include GST. Pricelist effective 1 July 2017.

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PRODUCT	PRICE \$
Cone Penetration Limit	219.52
Plastic Limit	192.09
Plasticity Index	362.21
Clay Index	219.52
Sand Equivalent	131.71
Solid Density (Pycnometer Method)	219.52
Solid Density (Immersion Method)	131.71
Preferred Method by Wet Sieving	230.50
Preferred Method by Wet Sieving (>40mm)	274.41
Subsidiary Method by Dry Sieving	159.16
Subsidiary Method by Dry Sieving (>40mm)	208.55
Cleanness Value	115.26
Crushing Resistance	181.11
Weathering Quality Index	559.79
LA Abrasion	241.47
Size and Shape (AGD/ALD)	142.69
Broken Faces Content	76.84
California Bearing Ratio	214.04
NDM - Direct Transmission	32.93
NDM - Backscatter	20.86
<b>Other Tests</b>	
Materials Finer than 75 micron by washing	142.69
Specific Gravity (Coarse)	192.09
Specific Gravity (Fine)	219.52
Abrasion Resistance (Standard)	241.47
Abrasion Resistance (Coarse)	241.47
Proportional Calliper (ASTM)	345.46
Proportional Calliper (AS)	356.73
Elongation Index	181.11
Modified Compaction Test (AS)	579.26
Unconfined Compressive Strength	329.29
Flakiness Index	181.11
Weak Particles	142.69
Rapid Clay Test (Grace) (Not accredited)	109.76
Thermal Resistivity (per point, not accredited)	411.61
Benkelman Beam tested to TNZ T/1 1977	POA
Vane Shear Strength (NZGS 2001)	21.95
Glycol Accelerated Weathering (Not accredited)	816.00
Plateau test	459.00

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PRODUCT	PRICE \$
<b>ASTM 5872-02 (2007)</b>	
Impact Value (Clegg)	10.98
<b>SAMPLING/TRAVEL/TECHNICAL TIME</b>	
Total time (hourly rate)	83.23
Travel (Per KM)	0.73
Report fee	21.95