

Winstone Aggregates

# Concrete Aggregates



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## FEATURES

- » Excellent shape and strength characteristics
- » Consistently clean
- » Customer tailored mixes
- » Conforms to New Zealand concrete aggregate standards NZS3121 and NZS3104

### Specified Applications

- » For concrete requiring good strength and stiffness
- » When low drying shrinkage is necessary
- » Decorative and exposed aggregate applications

### Builder's Mix

Winstone Aggregates also manufactures a range of clean crushed and natural round aggregates, pre-graded and blended with sand for use in non-specified concreting projects.

- » Driveways, paths and landscaping
- » General purpose, low strength applications

### Recycled Aggregate

- » Suitable for Green Star rated applications
- » Conforms to New Zealand Transport Agency best practice guidelines

### Optimised Mix Designs

By utilising the latest crushing and screening technology Winstone Aggregates produces a range of fit for purpose concrete aggregates. From uniformly graded coarse aggregate through to a variety of manufactured, alluvial and marine sands, all product is produced to meet national concrete aggregate specifications and when required can be tailor-made to customer requirement.

### Quality Control

To make certain that only the highest quality aggregate will be produced, resource is carefully selected and reviewed prior to processing. Automated plants ensure that process variation is kept to a minimum maintaining the uniformity of product to the highest level, and robust internal systems ensure that only the highest quality in specification aggregate is supplied.

### Consistency

Once processed, our concrete aggregates are stored in stockpiles and handled in conditions which prevent material contamination, segregation and degradation.

Winstone Aggregates operates IANZ accredited laboratories which test product to New Zealand concrete aggregate standards. To assist with Ready Mix certification requirements, test reports are distributed to customers at agreed intervals.

## COARSE AGGREGATE PROPERTIES ▾

Product	Cleanness value	Unit mass
19mm	>75	1350-1500 kg/m <sup>3</sup>
13mm	>75	1400-1480 kg/m <sup>3</sup>
10mm	>75	1380-1450 kg/m <sup>3</sup>

## FINE AGGREGATE PROPERTIES ▾

Product	Sand equivalent	Unit mass	Fineness modulus
Manufactured sand (PAP)	>48	1500-1650 kg/m <sup>3</sup>	3.60-4.00
Alluvial sand / River sand	>60	1420-1480 kg/m <sup>3</sup>	2.80-1.80
Marine sand	>85	1430-1460 kg/m <sup>3</sup>	1.00-1.20

Buyers and users of Winstone Aggregates must make their own assessment of the products for their own conditions. All queries regarding product specification, purpose or application should be directed to a Winstone Aggregates Account Manager, phone 09 525 9307.

For more information on Winstone Aggregates' range of concrete aggregates, contact **+64 9 525 9307** or visit [www.winstoneaggregates.co.nz](http://www.winstoneaggregates.co.nz)

