

Construction Waste

Waatarua

Ascot Avenue, Remuera, Tāmaki Makaurau

51 mm

of waste depth across Waatarua's own footprint

100 mm

the Simplicity target — every project is inside it

5.2%

measured wastage, against a 10% industry default

Waste you can actually picture

Tonnes and cubic metres mean nothing to most people. So we measure construction waste as a depth: if you tipped everything the build threw away across the building's own ground-floor footprint, how deep would it lie?

One number, instantly comparable between projects, and unambiguous — lower is better.

Waste volume ÷ ground floor area = depth in millimetres.

A target expressed as a depth on your own footprint is far harder to ignore than an abstract tonnage.

THE SAME 550 m² FOOTPRINT, THREE OUTCOMES

51 mm

Waiaatarua



150 mm

Industry acceptable



400 mm

Poorly managed site



Sections through the same footprint, drawn to scale against each other.

Where our sites land

Four Simplicity projects against the benchmark bands. The target is under 100 mm; best practice is under 50 mm.



Every project is inside the 100 mm target, and three of four are under 50 mm. Morningside Drive is the best at 30 mm. Waatarua at 51 mm is the one to improve.

Volumes and ground-floor areas from the Simplicity Living waste tool. To be reconciled against final site waste records at project close-out.

Waste is a management outcome, not a material property

Nothing about concrete makes a site tidy. The numbers on the previous page come from how the work is planned and sequenced — the same production discipline that drives the programme.

5.2%

measured material wastage on Simplicity sites, against the 10% the Green Star calculator assumes as an industry default.

1

Precision planning

Accurate material ordering and cut lists, set against a repeated unit design, so off-cuts and over-supply are designed out before anything reaches site.

2

On-site segregation

Separated waste streams mean material is recovered and recycled rather than skipped as mixed fill.

3

The in-situ advantage

Pouring in place removes the packaging, the transport damage and the offcut allowance that panelised systems carry.

4

Supplier partnerships

Returnable packaging and take-back schemes agreed with a stable supplier set, not renegotiated job by job.

IN SUMMARY

Measured in millimetres, managed in the programme.

01

A metric people can picture

Waste volume divided by ground floor area, expressed as a depth. Instantly comparable, and unambiguous — lower is better.

03

Waatarua is the one to improve

At 51 mm it is the weakest of the four and sits just over the best-practice line. That gap is where the next improvement is.

02

Every site inside the target

All four projects sit below the 100 mm target, and three of the four are under the 50 mm best-practice line. Morningside Drive leads at 30 mm.

04

It is production discipline

Measured wastage of 5.2% against a 10% industry default comes from planning and sequencing, not from the choice of material.

Still to substantiate: Final site waste records at project close-out, and separated stream weights to replace the aggregate volume figure.