

National Masonry Pty Ltd
ABN 94 155 064 136
62 Industrial Ave,
Wacol Qld 4076
Telephone (07) 3271 9292
Facsimile (07) 3271 1815
www.nationalmasonry.com.au

STANDARD PRODUCT CHARACTERISTICS

National Masonry can advise customers and specifying authorities that masonry units from our Queensland plants (Wacol, Labrador and Mackay) are manufactured in accordance with the following;

- Masonry block units – AS/NZS 4455.1:2008 “Masonry units”
- Paving units – AS/NZS 4455.2:2010 “Pavers and flags”
- Retaining Wall units – AS/NZS 4455.3:2008 “Segmental retaining wall units”

These products are tested in accordance with AS/NZS 4456:2003 parts 1 to 5, 9, 10 – “Masonry Units & Segmental Pavers – Methods of Test”.

Our Queensland manufacturing plants located at 62 Industrial Avenue, Wacol, 663 Pine Ridge Road, Labrador, and 6 David Muir Street, Mackay are managed through a quality management system based on AS/NZS ISO 9001:2000. Manufacturing activities are supported by our Wacol laboratory for Construction Materials Testing.

Dimensional deviation of masonry units complies with the DW4 category specified in AS/NZS 4455.1 Clause 2.2.3 and Table 2.1. Specifically; for measurements taken over 20 individual units –

- the mean falls within ± 3 mm of the nominated work size, and
- the standard deviation is < 2 mm.

e.g. for a work size of 190mm, the *mean* of 20 units could fall anywhere between 187mm and 193mm (individual units may be outside this range).

Standard production of *load bearing masonry units* exceeds a minimum 28 day characteristic unconfined compressive strength (f_{uc}) as follows;

- Hollow Units (laid with face-shell bedded joints) $f_{uc} = 15$ MPa
- Solid or Cored Units (laid with full bed joints) $f_{uc} = 10$ MPa

Note that higher strength specifications can be made to order (e.g. 20Mpa, 25MPa, and higher) with a standard lead-time + 28 days to allow for batch testing & certification. Specific testing indicates characteristic strengths up to 50MPa are achievable. Higher strength grade blocks will have non-standard weights and face textures.

Durability of masonry units meets the exposure grade criteria outlined in AS/NZS 4455.1:2008 Section 2.5.2 and determined as per AS/NZS 4456.10 – Determining Resistance to Salt Attack.

Further product specific information such as Fire & Acoustic data, are available on enquiry.

Should you have any questions please contact the undersigned on (07) 3271 9292.

Yours faithfully,

NATIONAL MASONRY



Ben Gooch
Quality Manager