



## Recommended Building Standards Duraclay 162 & Verticlay 162

### Application

Duraclay is suitable for use in single-storey or the uppermost storey of multi-storey house construction. Duraclay VC and Verticlay are suitable for multistorey construction. All products meet the requirements of Australian Standard AS/NZS4455, 'Masonry Units & segmental Pavers'. All residential construction should comply with the requirements set out in Australian Standard AS3700 'Masonry Structures'. These products are manufactured to have the exposed face covered with a render finish.

### Bond

Generally laid in 3rd bond, with mortar. Mortar must comply with AS3700 durability requirements.

### Joints

Duraclay/Verticlay is generally laid with the perpend joints open (unfilled). Unfilled perpend joints should not exceed 12mm but may be zero. Joints at intersections, corners and top and bottom courses should be filled. All joints above openings should be filled and extend to 200mm either side of the span of the opening.

### Party Walls and Gable Ends

All joints must be filled to achieve the best possible performance for both fire resistance and sound transmission.

### Wall Tiles

Placement of ties must meet Australian Standard AS3700 requirements. Ties are typically laid in every third course and spaced 600mm apart however will vary depending on wind category requirements.. Extra ties are required around openings such as doors and windows. The Building Code of Australia (BCA) outlines typical tie spacing.

### Bonding

At the junctions of internal and cavity walls use alternative course bonding or bedded approved ties in every course. At the junction of internal walls use alternative course bonding or approved ties in every second course.

### Heights / Two Storey Construction

The height limits of all masonry walls are covered in the Building Code of Australia (BCA). The BCA limits single leaf 90mm internal walls to a height of 2.7 metres. Heights above 2.7m are achievable in certain applications and should be referred to a suitably qualified structural engineer. Please refer product specifications to a suitably qualified structural engineer.

### Chasing into Brickwork

Chasing should not be deeper than 25mm. Where a wall is chased on both sides, the chases should not be made into the same level of the brick. Guidance is provided in AS3700 for allowable chase depth and lengths.

### External Use

The external use of Duraclay/Verticlay is acceptable providing they have rendered finish of at least 10mm thickness.

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