

CONCRETE BLOCK CONSTRUCTION & DETAILING.....cont.

Construction Block Construction

- Drying times vary according to block thickness, grout and weather. A min.28days is required for settlement & curing - the blocks must be completely dry before coating
- Where occupied walls are back filled a 50 year tanking membrane is required.
- Always waterproof blocks behind or adjacent to any overlays or abutments such as concrete staircases, separate adjoining garden walls, soffits, porches, posts etc.
- Exposed tops of walls require waterproofing and should be finished with block caps

Exterior Insulation - refer to *Sto Concrete Block Insulation Details*

NZBC *Acceptable Solution H1/AS1* or NZBC *Verification Method H1/VM1* can be used for housing, communal residential, communal non-residential and commercial buildings. For buildings with a glazing area of 30% or less of the total wall area, the minimum wall R-values required for solid construction are:

Climate Zone 1 (Nth Coromandel) - R0.8 (option 1a and 1b)

Climate Zone 2 Nth Island, Sth Coromandel excluding the Central Plateau - R1.0 (option 2a) or R0.9 (option 2b)

Climate Zone 3 Sth Island and Central Plateau) - R1.2 (option 3a) or R1.0 (option 3b)

Refer to the **BRANZ *House Insulation Guide Third Edition*** for further information and construction R-values for concrete block construction with External Insulation.

Interior Insulation

Generally involves 90mm framing inside and installing insulation to meet 1.9 or 2.0 R-Value

Note: H1 Insulation - Internally insulated masonry walls must meet the *timber insulation code*

STO CONCRETE BLOCK	STO CONCRETE BLOCK	CB 005
	CONSTRUCTION & DETAILING	2014