

# CONSTRUCTION MANAGERS MANUAL

"When all else fails read the instructions"

1<sup>ST</sup> EDITION 2008

SECTION B



# SECTION B - CONSTRUCTION MANAGER

## B1 General Notes

This document is not intended to change good building practice or the requirements of the Building Code of Australia and the various Australian Standards that apply to the construction of a building.

The intention of this document is to confirm good practice and highlight any differences and that may occur when using ecobrick on a building site.

### B1.1 Foundation Design

This document assumes that foundation and footing design has been designed by a structural engineer to comply with the provisions of AS2870.2.

The advantages of using ecobrick are a lighter brick weight, higher acoustic and thermal values and a four hour fire rating. The trade of is, compressive strength, professional advice must be sought appropriate load weights at the design stage..

### B1.2 Joints And Detailing

Solid foundations and correct footing design will reduce potential masonry cracking as will correctly designed articulated joints. Reference information on articulated walls can be found in the BCA and in the Cement and Concrete Associations document entitled "Articulating Walling"

### B1.3 Finishes

Internally ecobrick can be finished using render and set, plasterboard, paint or one coat set. Externally ecobrick must have a surface finish. Rockcote finishes are an approved external finish plus major paint manufactures have suitable products.

### B1.4 Relevant Australian Standards & Codes

BCA Volume 2 Parts 2 & 3 cover general requirements.

Footing design for ecobrick buildings is performed to the requirements of Australian Standard AS2870.1 "Residential Slabs and Footings".

AS 2870.1 provides specific footing system designs for foundation conditions commonly found in Australia. When designing for unusual soil and load conditions, the advice of a suitably qualified engineer should be sought and design be performed to AS2870.2 "Residential Slabs and Footings - Guidance to design by engineering principles"

ecobrick walls are a masonry wall and should be classified in accordance with the classification system of AS2870.1.

## General disclaimer

The information presented in this manual is general by nature and no liability is accepted by Advanced Concrete Technologies in its use. Advanced Concrete Technologies recommends that the advice of a registered builder or structural engineer be sought for any major building works prior to commencement of the works.

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Advanced Concrete Technologies  
ABN: 62 005 736 005

Cnr Cook and Bannister Roads  
Canning Vale | WA | 6155

PO Box 1408 | Canning Vale | WA | 6155

t 08 9334 4750

f 08 9334 4751

e info@ecobrick.com.au

w ecobrick.com.au