

# Building for tomorrow...Today



## Technical Information Sheet



## Ecobrick

## Ecobrick Splits



### Ecobrick™ Technical Information

|   |                   |                  |
|---|-------------------|------------------|
| <b>Brick Dimension (mm)</b>                                 | 300w x 162h x 90t | 300w x 76h x 90t |
| <b>Description</b>  | Solid             | Solid            |
| <b>Average unit weight (kg)</b>                             | 2.5               | 1.2              |
| <b>Approximate number per m<sup>2</sup></b>                 | 18.75             | 37               |
| <b>Nominal wall surface density (kg/m<sup>2</sup>)</b>      | 50                | 50               |
| <b>Characteristic unconfined compressive strength (Mpa)</b> | >3.5              | >3.5             |
| <b>Average bulk density (kg/m<sup>3</sup>)</b>              | 550               | 550              |
| <b>Number per pack</b>                                      | 288               | 624              |
| <b>m<sup>2</sup> per pack</b>                               | 14                | 14.2             |
| <b>Pack weight (approximate) kg</b>                         | 850               | 850              |
| <b>Fire rating (single leaf wall) *1</b>                    | - / 240 / 240     |                  |
| <b>Non load bearing (mins)</b>                              |                   |                  |
| <b>Sound Ratings *2</b>                                     |                   |                  |
| a) Single leaf wall   |                   |                  |
| Render plaster both sides                                   | Rw = 42           |                  |
| b) Double leaf wall with 70mm cavity                        |                   |                  |
| Render plaster both sides                                   | Rw = 58           |                  |
|   | Rw + Ctr = 53     |                  |
| 10mm Plasterboard both sides                                | Rw = 56           |                  |
|   | Rw + Ctr = 51     |                  |
| <b>Insulation Ratings *3</b>                                |                   |                  |
| Thermal Resistance (R)                                      |                   |                  |
| (m <sup>2</sup> K/W)  | 0.73              |                  |

\*1 Tested by the CSIRO Fire Testing Facility in NSW to AS1530

\*2 Tested and Opinions by Gabriels Environmental design to AS1191

\*3 Tested by Curtin University to AS4859.1



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