











| Technical Information  |  |  |  |  |  |  |  |  |  |  |
|--|---|--|---|---|---|---|---|---|---|---|
|  | DURACLAY VC   | VERTICAL (VC)162   | LOAD BEARING 15   | LOAD BEARING 18   | ACOUSTIC  | ACOUSTIC 15MPa  | ACOUSTIC 18MPa  | RENDERS   | VERTICAL (VC) 290   | CONCRETE MASONRY (VB162)  |
| Length x Width x Height (mm)   | 305 x 90 x 162  | 305 x 90 x 162   | 305 x 90 x 162  | 305 x 90 x 162  | 305 x 90 x 162  | 305 x 90 x 162  | 305 x 90 x 162  | 305 / 290 x 90 x 162  | 290 x 90 x 162  | 290 x 90 x 162  |
| Pack dimensions (mm)   | 920 x 715 x 980   | 920 x 715 x 980  | 920 x 715 x 980   | 920 x 715 x 980   | 920 x 715 x 980   | 920 x 715 x 980   | 920 x 715 x 980   | 920 x 715 x 980   | 920 x 715 x 980   | 890 x 715 x 980   |
| Dimensional category   | DW1   | DW1  | DW1   | DW1   | DW1   | DW1   | DW1   | DW0   | DW1   | DW1   |
| No per pack  | 138   | 138  | 138   | 138   | 138   | 138   | 138   | 138 / 132   | 138   | 138   |
| Approximate number per m <sup>2</sup> (including mortar joint)       | 18.5  | 18.5   | 18.5  | 18.5  | 18.5  | 18.5  | 18.5  | 18.5 / 19.5   | 19.5  | 19.5  |
| Approximate unit weight (kg)   | 5.3   | 5.3  | 5.6   | 6.0   | 5.7   | 5.7   | 6.0   | 5.7   | 5.0   | 5.6   |
| Approximate pack weight (kg)   | 730   | 730  | 773   | 830   | 787   | 787   | 830   | 787   | 690   | 773   |
| Coring orientation   | Vertical  | Vertical   | Vertical  | Vertical  | Vertical  | Vertical  | Vertical  | Vertical  | Vertical  | Vertical  |
| Characteristic unconfined compressive strength f <sub>uc</sub> (MPa) | > 8   | > 12   | > 15  | > 18  | > 12  | > 15  | > 18  | > 8   | > 12  | > 12  |
| 24 hour cold water absorption (%)                                    | < 12  | < 12   | < 12  | < 12  | < 12  | < 12  | < 12  | < 15  | < 12  | < 12  |
| Nominal wall surface density (kg/m <sup>2</sup> )                    | 116   | 116  | 120   | 125   | 120   | 120   | 125   | 116   | 120   | 120   |
| Dry bulk density (kg/m <sup>3</sup> )                                | 1,192   | 1,192  | 1,324   | 1,349   | 1,259   | 1,324   | 1,419   | 1,192   | 1,324   | 1,324   |
| Co-efficient of expansion-ε <sub>m</sub> (mm/m/15yrs)                | < 0.8   | < 0.8  | < 0.8   | < 0.8   | < 0.8   | < 0.8   | < 0.8   | < 0.8   | < 0.8   | N/A   |
| Perforation volume (%)   | < 40  | < 40   | < 40  | < 35  | < 35  | < 35  | < 35  | < 40  | < 40  | < 40  |
| Gross initial rate of absorption (kg/m <sup>2</sup> /min)            | < 1.8   | < 1.8  | < 1.8   | < 1.8   | < 1.8   | < 1.8   | < 1.8   | < 2.2   | < 1.8   | < 2.2   |
| Salt attack resistance category                                      | Exposure  | Exposure   | Exposure  | Exposure  | Exposure  | Exposure  | Exposure  | General Purpose   | Exposure  | Exposure  |
| Liability to efflorescence   | Nil to Slight   | Nil to Slight  | Nil to Slight   | Nil to Slight   | Nil to Slight   | Nil to Slight   | Nil to Slight   | Nil to Slight   | Nil to Slight   | Nil to Slight   |
| Lime pitting   | Nil   | Nil  | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   | Nil   |
| Solar absorptance rating   | Medium  | Medium   | Medium  | Medium  | Medium  | Medium  | Medium  | Medium  | Medium  | Medium  |
| Fire resistance level for insulation -FRL (min)                      |   |  |   |   |   |   |   |   |   |   |
| Single leaf wall unrendered (min)                                    | 60  | 60   | 60  | 60  | 60  | 60  | 60  | 60  | 60  | 60  |
| Single leaf wall 20mm render both sides (min)                        | 90  | 90   | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  |



CLAYBRICK Utility Brick

## Verticlay

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All Brikmakers' specifications testing is carried out in accordance with Australian/New Zealand Standards AS/NZS 4456 test methods where applicable. Durability classification is based on product knowledge under Perth, Western Australia climatic conditions.

This technical information represents average properties obtained from production lots. If specific test results are required, samples should be taken from current production lots.

Fire Resistance Levels (FRLs) are specified in the Building Code of Australian and the Masonry Code (AS3700). FRLs are quoted in minutes.

FRL information provided is derived from test, opinion or deemed to satisfy. Design of fire rated walls should be checked by a suitably qualified Engineer.

Weighted Sound Reduction Index (Rw) provided is derived from test, opinion or deemed to satisfy. Design of sound walls should be checked by a suitably qualified Acoustic Engineer.

Information is subject to change without notice. All colours are indicative only.

Please confirm all technical, colour and installation specifications are applicable to your application.

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