## BRICKWORK BONDS & NET QUANTITIES PER M<sup>2</sup>



| ### HALF BRICK WIDTH (102mm) ONE BRICK WIDTH (215mm)  HEADERS STRETCHERS TOTAL HEADERS STRETCHERS TOTAL  STRETCHER BOND  ###################################   |                       |                          |                         |                |                         |            |       |  |
|--|-----------------------|--------------------------|-------------------------|----------------|-------------------------|------------|-------|--|
| STRETCHER BOND   |                       | HALF BRICK WIDTH (102mm) |                         |                | ONE BRICK WIDTH (215mm) |            |       |  |
| Commit Stretchers   Comm |                       | HEADERS                  | STRETCHERS              | TOTAL          | HEADERS                 | STRETCHERS | TOTAL |  |
| Commit Stretchers   Comm |                       |                          |                         |                |                         |            |       |  |
| Company   Comp | STRETCHER BOND        |                          |                         |                |                         |            |       |  |
| 73mm: Stretchers  0 54 54 0 108 108  HEADER BOND  65mm: Headers 119 0 119 119 0 119  73mm: Headers 108 0 108 108 0 108  ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 18 50 68 18 100 118  |                       |                          |                         |                |                         | 400        | 400   |  |
| 0 54 54 0 108 108  HEADER BOND  65mm: Headers 119 0 119 119 0 119  73mm: Headers 108 0 108 108 0 108  ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course  |                       | 0                        | 60                      | 60             | 0                       | 120        | 120   |  |
| 0 54 54 0 108 108  HEADER BOND  65mm: Headers 119 0 119 119 0 119  73mm: Headers 108 0 108 108 0 108  ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course  |                       | 73mm: Stretchers         |                         |                |                         |            |       |  |
| 65mm: Headers  119   |                       |                          | 54                      | 54             | 0                       | 108        | 108   |  |
| 65mm: Headers  119   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Headers  119   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Headers  119   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Headers  119   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Headers  119   | HEADED BOND           |                          |                         |                |                         |            |       |  |
| 119 0 119 119 0 119  73mm: Headers  108 0 108 108 0 108  ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  | HEADER BOND           |                          |                         |                |                         |            |       |  |
| ### Tamm: Headers    108   |                       |                          | 0                       | 110            | 110                     | 0          | 110   |  |
| ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118   |                       | 119                      | 0                       | 119            | 119                     | 0          | III   |  |
| ENGLISH BOND  65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118   |                       | 73mm: Headers            |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          | 0                       | 108            | 108                     | 0          | 108   |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Alternate courses of headers and stretchers 60 30 90 60 60 120  73mm: Alternate courses of headers and stretchers 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   | ENGLISH BOND          |                          |                         |                |                         |            |       |  |
| 73mm: Alternate courses of headers and stretchers  54  |                       |                          |                         |                |                         |            |       |  |
| 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       | 60                       | 30                      | 90             | 60                      | 60         | 120   |  |
| 54 27 81 54 54 108  ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course 27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course   |                       | 70                       |                         |                |                         |            |       |  |
| ENGLISH GARDEN WALL BOND  65mm: Stretchers with rows of headers every 4th course  27   |                       |                          |                         |                | 54                      | 54         | 108   |  |
| 65mm: Stretchers with rows of headers every 4th course  27   |                       | 3-                       | E-1                     | 01             | 3-                      | 3-         | 100   |  |
| 65mm: Stretchers with rows of headers every 4th course  27   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Stretchers with rows of headers every 4th course  27   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Stretchers with rows of headers every 4th course  27   |                       |                          |                         |                |                         |            |       |  |
| 65mm: Stretchers with rows of headers every 4th course  27   |                       |                          |                         |                |                         |            |       |  |
| 27 46 73 27 92 128  73mm: Stretchers with rows of headers every 4th course  27 40 67 27 80 107  65mm: Stretchers with rows of headers every 6th course  18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course  | ENGLISH GARDEN WALL B | OND                      |                         |                |                         |            |       |  |
| 73mm: Stretchers with rows of headers every 4th course  27   |                       | 65mm: Stretchers         | with rows of headers ev | ery 4th course |                         |            |       |  |
| 27 40 67 27 80 107 65mm: Stretchers with rows of headers every 6th course 18 50 68 18 100 118 73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                | 27                      | 92         | 128   |  |
| 65mm: Stretchers with rows of headers every 6th course  18 50 68 18 100 118  73mm: Stretchers with rows of headers every 6th course  |                       |                          |                         |                | 27                      | 00         | 107   |  |
| 18 50 68 18 100 118 73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                | 21                      | 80         | 107   |  |
| 73mm: Stretchers with rows of headers every 6th course   |                       |                          |                         |                | 18                      | 100        | 118   |  |
|  |                       |                          |                         |                |                         | 100        |       |  |
|  |                       |                          |                         |                | 18                      | 90         | 108   |  |

All measurements indicated in the following illustrations use millimetre units (mm) . Drawings are scale 1:20 created on A4, to be printed full bleed for accuracy.



|                    |  |                              |                              | ı                          |                         |           |  |  |  |
|--------------------|--|------------------------------|------------------------------|----------------------------|-------------------------|-----------|--|--|--|
|                    | HALF BR  | RICK WIDTH                   | (102 m m)                    | ONE BR                     | ICK WIDTH               | (215 m m) |  |  |  |
|                    | HEADERS  | STRETCHERS                   | TOTAL                        | HEADERS                    | STRETCHERS              | TOTAL     |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
| FLEMISH BOND       |  |                              |                              |                            |                         |           |  |  |  |
|                    | 65mm: Alternate bricks, header/stretcher, in each course |                              |                              |                            |                         |           |  |  |  |
|                    | 40   | 40                           | 80                           | 40                         | 80                      | 120       |  |  |  |
|                    | 73mm: Alternate h  | ricks, header/stretcher,     | in each course               |                            |                         |           |  |  |  |
|                    | 36   | 36                           | 72                           | 36                         | 72                      | 108       |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
| STACK BOND         |  |                              |                              |                            |                         |           |  |  |  |
|                    |  | rs with perpends direct      |                              |                            |                         |           |  |  |  |
|                    | 0  | 60                           | 60                           | Not re                     | ecommended both         | sides     |  |  |  |
|                    | 73mm: All stretche                                       | rs with perpends direct      | y above the perpend          | below                      |                         |           |  |  |  |
|                    | 0  | 54                           | 54                           | Not re                     | ecommended both         | sides     |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
| MONK BOND          |  |                              |                              |                            |                         |           |  |  |  |
|                    | 65mm: 2 stretcher:                                       | to 1 header. Header lai      | d centrally over the p<br>72 | erpend between the 2<br>24 | stretchers below        | 120       |  |  |  |
|                    | 2-4  | 40                           | 12                           | 2-4                        | ,,,,                    | 120       |  |  |  |
|                    | 73mm: 2 stretchers                                       | to 1 header. Header lai      | d centrally over the p       | erpend between the 2       | stretchers below        |           |  |  |  |
|                    | 22   | 43                           | 65                           | 22                         | 86                      | 108       |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
| ENGLISH CROSS BOND |  |                              |                              |                            |                         |           |  |  |  |
| LNGLISH CROSS BOND | 6Emm Cinellant - F                                       | nglich Rond had a band       | or is placed now to the      | a and stratahan an         | any alternate stratet   | COURCO    |  |  |  |
|                    | 59   | nglish Bond but a head<br>30 | er is placed next to th      | e end stretcher on ev      | ery alternate stretcher | 119       |  |  |  |
|                    |  |                              |                              |                            |                         |           |  |  |  |
|                    |  | nglish Bond but a head       | · ·                          |                            | -                       |           |  |  |  |
|                    | 53   | 27                           | 80                           | 53                         | 54                      | 107       |  |  |  |

The purpose of this guide is to provide you with a practical specification and design tool. Within the following pages, you may find reference to the wide range of Michelmersh products that are available. We hope that you will find this guide as useful in your everyday work as it was designed to be. We look forward to speaking to you personally, should you require any further information, please contact Michelmersh's Technical Department on 0844 931 0022 or email technical@mbhplc.co.uk.

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