



## HI-R-H HALF HIGH SPEC-BRIK UTILITY JAMB BLOCK\*

UNITS - R<sub>T</sub> Values (hr ft<sup>2</sup>F°/BTU) U-FACTOR (BTU/hr ft<sup>2</sup>F°)

| TYPE OF BLOCK (inches)                                    | DENSITY OF CONCRETE BLOCK<br>Lbs/Cu ft |       |       |       |       |       |
|---|--|-------|-------|-------|-------|-------|
|   | 85                                     | 95    | 105   | 115   | 125   | 135   |
| <b>UNROUTED</b>   |  |       |       |       |       |       |
| 12 X 4 X 16 Spec-Brik Hi-R-H Half High Utility Jamb Block |  |       |       |       |       |       |
| R <sub>T</sub> VALUE                                      | 15.21                                  | 13.91 | 12.60 | 11.31 | 10.10 | 8.94  |
| U FACTOR  | 0.07                                   | 0.07  | 0.08  | 0.09  | 0.10  | 0.11  |
| Heat Capacity (HC)  | 7.23                                   | 8.08  | 9.73  | 9.78  | 10.63 | 11.49 |
| Equivalent Thickness                                      | 5.49                                   | 5.49  | 5.49  | 5.49  | 5.49  | 5.49  |

| TYPE OF BLOCK (inches)                                    | DENSITY OF CONCRETE BLOCK<br>Lbs/Cu ft |       |       |       |       |       |
|---|--|-------|-------|-------|-------|-------|
|   | 85                                     | 95    | 105   | 115   | 125   | 135   |
| <b>GROUTED</b>  |  |       |       |       |       |       |
| 12 X 4 X 16 Spec-Brik Hi-R-H Half High Utility Jamb Block |  |       |       |       |       |       |
| R <sub>T</sub> VALUE                                      | 15.11                                  | 13.82 | 12.55 | 11.25 | 10.05 | 8.90  |
| U FACTOR  | 0.07                                   | 0.07  | 0.08  | 0.09  | 0.10  | 0.11  |
| Heat Capacity (HC)  | 11.04                                  | 12.33 | 13.63 | 14.93 | 16.23 | 17.53 |
| Equivalent Thickness                                      | 8.38                                   | 8.38  | 8.38  | 8.38  | 8.38  | 8.38  |

\* REFERENCES - [www.cbisinc.com](http://www.cbisinc.com), Technical Library Section PDF File No. 316 (Development of HI-R Block R-Values)

Insulated concrete blocks specified for any project must certify that the R-Values they publish comply with the calculation procedures outlined in the National Concrete Masonry "Thermal Catalog of Concrete Masonry Assemblies" which is based on the American Society of Heating, Refrigerating and Air-Conditioning Engineers Standard 90.1. Further, Concrete Block Insulating Systems certifies the Thermal R-Values listed do comply with the above stated calculation procedure.



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