



Protection is a concrete idea.

## HI-R-H HALF HIGH SPEC-BRIK MASONRY UNITS\*

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 Lbs/Cu ft					
	85	95	105	115	125	135
<b>UNROUTED</b>						
12 X 4 X 16 Spec-Brik Hi-R-H Half High						
R <sub>T</sub> VALUE	19.74	18.32	16.85	15.50	14.14	12.77
U FACTOR	0.05	0.05	0.06	0.07	0.07	0.08
Heat Capacity (HC)	5.75	6.42	7.10	7.78	8.45	9.13
Equivalent Thickness	4.37	4.37	4.37	4.37	4.37	4.37

TYPE OF BLOCK (inches)	DENSITY OF CONCRETE BLOCK Lbs/Cu ft					
	85	95	105	115	125	135
<b>GROUTED</b>						
12 X 4 X 16 Spec-Brik Hi-R-H Half High						
R <sub>T</sub> VALUE	19.29	17.87	16.40	15.04	13.69	12.32
U FACTOR	0.05	0.06	0.06	0.07	0.07	0.08
Heat Capacity (HC)	10.37	11.59	12.81	14.03	15.25	16.47
Equivalent Thickness	7.88	7.88	7.88	7.88	7.88	7.88

\* 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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