

Technical Bulletin

TEK 6-072004

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Core Foam Masonry Foam Insulation Foam Vs. Rigid Board

Standard 8-2-4 Wall Type (CMU - Air - Brick)

With Core Foam Masonry Foam Insulation in CMU

8" CMU	R-11.3
2" Air Space	R-1.0
4" Brick	R-0.8

Total R-Value - 13.1

With 1" Rigid Board

8" CMU	R-2.9
1" Rigid Board	R-5.0
1" Air Space	R-0.5
4" Brick	R-0.8

Total R-Value - 9.2

With Core Foam Masonry Foam Insulation & 1" Rigid Board

8" CMU	R-11.3
1" Rigid Board	R-5.0
1" Air Space	R-0.5
4" Brick	R-0.8

Total R-Value - 17.6

Standard 12-2-4 Wall Type (CMU - Air - Brick)

With Core Foam Masonry Foam Insulation in CMU

12" CMU	R-16.1
2" Air Space	R-1.0
4" Brick	R-0.8

Total R-Value - 17.9

With 1" Rigid Board

12" CMU	R-3.2
1" Rigid Board	R-5.0
1" Air Space	R-0.5
4" Brick	R-0.8

Total R-Value - 9.5

With Core Foam Masonry Foam Insulation & 1" Rigid Board

12" CMU	R-16.1
1" Rigid Board	R-5.0
1" Air Space	R-0.5
4" Brick	R-0.8

Total R-Value - 22.4