

Technical Bulletin

TEK 6-072004

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C Foam Masonry Foam Insulation Foam Vs. Rigid Board

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

With C Foam Masonry Foam Insulation in CMU

8" CMU	R-9.0-10.0*
2" Air Space	R-1.0
4" Brick	R-1.0

Total R-Value - 11.0-12.0

With 1-1/2" Rigid Board

8" CMU	R-2.9
1-1/2" Rigid Board	R-7.5
1" Air Space	R-0.6
4" Brick	R-0.8

Total R-Value - 11.8

With C Foam Masonry Foam In- sulation & 1-1/2" Rigid Board

8" CMU	R-9.0-10.0*
1-1/2" Rigid Board	R-7.5
1" Air Space	R-0.6
4" Brick	R-0.8

Total R-Value - 17.9-18.9

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

With C Foam Masonry Foam Insulation in CMU

12" CMU	R-12.0-13.0*
2" Air Space	R-1.0
4" Brick	R-1.0

Total R-Value - 14.0-15.0

With 1-1/2" Rigid Board

12" CMU	R-3.2
1-1/2" Rigid Board	R-7.5
1" Air Space	R-0.6
4" Brick	R-0.8

Total R-Value - 12.10

With C Foam Masonry Foam Insulation & 1-1/2" Rigid Board

12" CMU	R-12.0-13.0*
1-1/2" Rigid Board	R-7.5
1" Air Space	R-0.6
4" Brick	R-0.8

Total R-Value - 20.9-21.9

*Typical for 100 lbs/ft³ block

