

(The inclusion of weep holes is considered good construction design practice to allow passage of any water that might penetrate the cavities or core spaces of wall construction.)

### Approximate Coverage(a)

| Sq. ft. of wall area(b) | 1" Cavity | 2" Cavity | 3" Cavity | 6" Block | 8" Block | 12" Block |
|-------------------------|-----------|-----------|-----------|----------|----------|-----------|
| 100                     | 2         | 4         | 6         | 5        | 7        | 12        |
| 500                     | 10        | 21        | 31        | 23       | 33       | 58        |
| 1,000                   | 21        | 42        | 62        | 46       | 65       | 118       |
| 2,000                   | 42        | 84        | 124       | 96       | 130      | 236       |
| 3,000                   | 63        | 126       | 186       | 138      | 195      | 354       |
| 5,000                   | 105       | 210       | 310       | 230      | 325      | 590       |
| 7,000                   | 147       | 294       | 434       | 322      | 455      | 826       |
| 10,000                  | 210       | 420       | 620       | 460      | 650      | 1,180     |

(a) 4-cubic foot bags required to fill

(b) a standard 8"x16" block equals 0.89 sq.ft.  
Multiply the number of blocks times 0.89  
to calculate the total square footage needed.

### Applicable Standards, Specifications, and References:

ASTM Specification C549 for Perlite Loose Fill Insulation  
 ASTM Specification C520 Density of Granular Loose Fill Insulation  
 ASTM Specification C236 Test Method for Steady-State Thermal  
 Performance of Building Assemblies by Means of a Guarded Hot Box  
 ASTM Specification E84 Test for Surface Burning Characteristics of Building Materials  
 FHA Use of Materials Bulletin UM-37  
 GSA Commercial Item Description A-A-903 Insulation, Thermal(Expanded Perlite)  
 Brick Institute of America Technical Notes No 21A  
 Federal Specification HH-1-515D