Perlite Loose-Fill Masonry Insulation

INSTALLATION GUIDE

TABLE 3

APPROXIMATE PERLITE MASONRY BLOCK LOOSE-FILL COVERAGE: BY AREA*
NUMBER OF 4 ft³ BAGS REQUIRED (4 ft³ EQUALS ~ 110 LITERS)

	CORE FILL: BLOCK SIZE			**CAVITY FILL**: CAVITY WIDTH		
WALL AREA ft² (m²)	6 INCH (15cm)	8 INCH (20cm)	12 inch (30cm)	1 INCH (2.5cm)	2 INCH (5.0cm)	3 INCH (7.5cm)
1,000 (93)	46	65	118	21	42	62

APPROXIMATE PERLITE MASONRY BLOCK LOOSE-FILL COVERAGE: BY BLOCK COUNT*
COVERAGE PER 4ft³ BAG (4 ft³ EQUALS ~ 110 LITERS)

	12-INCH (30cm) BLOCK	10-INCH (25cm) BLOCK	8-INCH (20cm) BLOCK	6-INCH (15cm) BLOCK
Number of Blocks Filled	9	13	17	23
	1 INCH (2.5cm) CAVITY	1.5 INCH (3.9cm) CAVITY	2 INCH (5.1cm) CAVITY	2.5 INCH (6.4cm) CAVITY
Square Feet of Wall Filled	48	32	24	19

*Adjust coverage to compensate for filled/reinforced cavities.

GUIDELINES FOR USE:

Materials

It is recommended that the loose-fill perlite shall conform to the requirements of ASTM Designation C549. Ask your supplier to provide documentation that the product conforms to ASTM C549 Standard Specification for Loose Fill Insulation.

Installation

1. The loose-fill perlite should be installed in the following locations:

a. In the cores of all exterior (and interior) hollow masonry walls.

b. In the cavity between all exterior (and interior) masonry walls.

c. Between exterior masonry walls and interior furring.

2. The loose-fill perlite should be poured directly (or via a hopper) in the top of the wall at any convenient interval (not in excess of 20 ft [6 m]). Wall sections under doors and windows should be filled before sills are placed. Rodding or tamping is not recommended.

3. All holes and openings in the wall through which loose-fill perlite can escape should be permanently sealed or caulked prior to installation. Screening should be used in all weep holes. (The inclusion of weep holes is considered good construction design practice to allow passage of any water which might penetrate the cavities or core spaces of wall construction.)

4. The loose-fill perlite must remain dry. Suitable means should be used as the work progresses to insure that the insulation is protected from inclement weather.

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