

PolyMaster, Inc.

Knoxville, TN

PolyMaster® Foam Insulation

Product Description, Applications

PolyMaster® foam insulation is a cost-effective, environmentally friendly thermal and acoustical insulating material designed for use in cavity, block or frame walls. PolyMaster foam can be used in new or retrofit commercial, residential and industrial applications.

BLOCK FILL

PolyMaster foam can be used to insulate concrete block by using top, side or pressure fill techniques. It provides higher R-values than inserts or vermiculite and is easier to install. PolyMaster insulation can be installed in 10' - 12' (3 - 4 m) lifts during construction. 6", 8" and 12" (152, 203 and 305 mm) block can be easily filled in both running or stacked configurations. Pressure fill applications require holes as small as 5/8" (15.9 mm) and no larger than 2" (51 mm) drilled directly into the masonry. Foam will fill the cavity up to 12' (4 m) in either vertical direction from the hole. Pressure filling generates a complete fill of the core and head joints as the application progresses down the run of the block wall.

WYTHE & OTHER CAVITY FILL

PolyMaster foam completely fills the cavity between double walls, fascia walls or internal/external cosmetic walls, producing excellent sealing around fittings, conduit, fixtures and pipe chases, while still allowing the wall to weep as constructed. PolyMaster insulation can provide R-values comparable or higher than rigid board insulation, without the potential problems of toxicity or environmental damage. PolyMaster is acceptable for use under stringent fire codes.

COMMERCIAL RETROFIT

Commercial structures can be easily retrofitted with PolyMaster foamed-in-place insulation to improve thermal and/or acoustical properties. Even in small places, PolyMaster provides high R-values and enhances the comfort and efficiency of the building. PolyMaster can be installed easily, making it a cost-effective choice, especially for buildings that would require extensive renovation with other types of insulation.

RESIDENTIAL WALL FILL (INSULMASTER)

Superior R-values can be obtained by pumping PolyMaster foam into the stud wall cavity. PolyMaster eliminates thermal drift, collapse, settling and deterioration inherent in some insulation products.

Features, Advantages

- PolyMaster has 20% less moisture than its competitors, which means less shrinkage, higher R-values and less chance of wet wall
- Foam is mixed fresh locally before each job
- Lower transportation cost
- Recyclable packaging

Properties, Performance

- R-values range from 11.05 ft² × h × °F/Btu (1.9 m² × K/W) in an 8" (203 mm) block to 16.12 ft² × h × °F/Btu (2.8 m² × K/W) in a 12" (305 mm) block at 105 pcf. Test method is ASTM C236

Contact

(800) 580-3626
(865) 966-3005

Fax: (865) 675-3300

E-mail: polymstr@usit.net

E-mail: info@polymaster.com

www.polymaster.com



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DATA

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PC

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@
www.FirstSourceONL.com