Northwest
Concrete Masonry Association

February 20, 2012

Mr. Steve Sayers
Polymaster
10523 Lexington Drive
Knoxville, TN 37932

Dear Steve,

This letter is in response to your inquiry regarding the concrete masonry units used for the construction of a test wall to determine the wall R-value. The wall in question was constructed in the mid-90's and tested at Braun Intertec Laboratory in Portland, Oregon.

The concrete masonry units (cmu) used for this wall were manufactured locally at West Block Products. They were 8x8x16 size made using a standard block mix design with a blend of sand, gravel and pumice aggregates. They were lightweight block per ASTM C-90 with a density of approximately 100 pcf. The cores of the block were filled with Polymaster foam insulation prior to testing.

In addition to the ASTM C-236 test run to determine the R-value of this wall, I sent a sample of these same units to another lab to determine the thermal conductivity of the concrete material. In the process of running this ASTM C-518 test the material density was measured and is reported as 98.71 pcf.

I hope this information is helpful. This is all I can tell you about the nature of the concrete masonry units used in the construction of the Polymaster foamed test wall.

Sincerely,

Thomas C. Young, PE
Executive Director

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