Reduction in the thermal resistance (R-Value) of loose-fill insulation and fiberglass batts due to compression

Oak Ridge National Laboratory - Different Types of Insulation that contribute in Energy Efficiency of the Building

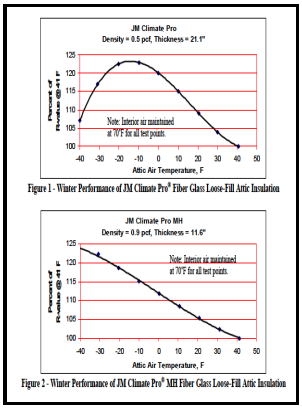

Figure 1 - Winter Performance of JM Climate Pro® Fiber Glass Loose-Fill Attic Insulation

Figure 2 - Winter Performance of JM Climate Pro® MH Fiber Glass Loose-Fill Attic Insulation

Description: -
-Reduction in the thermal resistance (R-Value) of loose-fill insulation and fiberglass batts due to compression
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Notes: Applied Research for Residential Conservation Service Program.
This edition was published in 1981

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Reduction in the thermal resistance (R

Factors like the severity of the weather conditions and available budget should be considered when determining what product best suits your needs. Placing insulation on the exterior has the added advantage of containing the thermal mass of the blocks within the conditioned space, which can moderate indoor temperatures.

Reduction in the thermal resistance (R

Any breaks in an air barrier between conditioned and non-conditioned space may allow heat to bypass the insulation and cause an increased use of energy.

Insulation

I don't know the emissivity of foam, but I think it's a safe bet that it's high, like around 0.

Got a question about insulation? Find an answer here.

Costs Foam insulation products and installation usually cost more than traditional batt insulation. .

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