

Applegate® R Foam Insulation Product Information Sheet

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Applegate® R Foam Insulation is a totally new insulation product featuring ultra low odor and shrinkage, having 50% less water content than similar foam products. It has a Class I / Class A fire rating. **Applegate® R Foam Insulation** is designed for enclosed cavities such as stud walls and cathedral ceilings. It is ideal for use in new and retrofit construction, both residential and commercial. **Applegate® R Foam Insulation** provides exceptional thermal performance plus it has superior sound-absorbing properties.

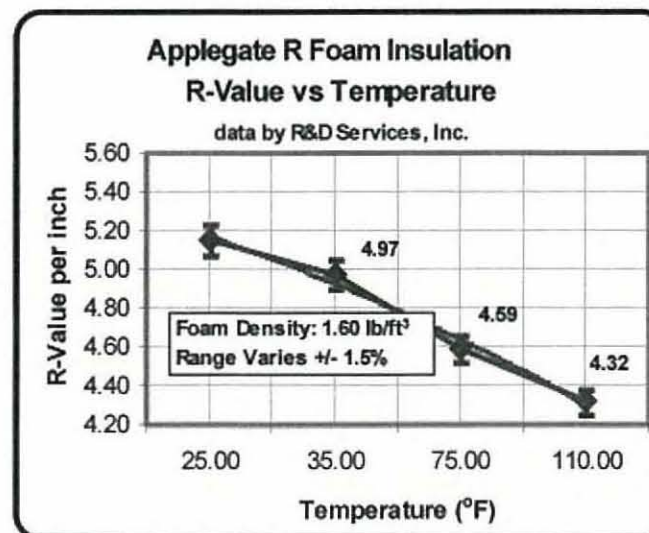
Applegate® R Foam Insulation is a 2-component foam product that is installed using compressed air with superior high speed installation equipment. A kiln-dried, water-based powder resin is combined with foaming agent catalyst to produce a freshly mixed product for each project. **Applegate® R Foam Insulation** resin has a 1-year shelf life. The shelf-life of mixed **Applegate® R Foam Insulation** is 30 days.

Applegate® R Foam Insulation can be installed using most existing foam insulation equipment. The catalyst is ready to use and requires no mixing at the job site by the installer. **Applegate® R Foam Insulation** is superior to other competitive retrofit foam insulation products because of its low shrinkage of less than 0.25 percent and a Class I / Class A fire rating. It meets or exceeds all building code requirements. As with all foam-in-place insulation products, **Applegate® R Foam Insulation** neither adds to nor detracts from the fire rating of the wall assembly.

Applegate® R Foam Insulation - Test Results

R-Value per inch	4.6 / inch	@ 75°F mean temperature ¹
R-Value 2x4 Cavity	R-16	@ 75°F mean temperature ¹
R-Value 2x6 Cavity	R-24	@ 75°F mean temperature ¹
Flame Spread	10	per ASTM E-84 @ 3.5" thick
Smoke Density	95	per ASTM E-84 @ 3.5" thick
Fire Classification	Class I / Class A	per NFPA Life Safety Code
Water Vapor Transmission	10.6 perms	per ASTM E-96 @ 3-3/8" thick
Compressive Strength	4.50 / lb_f/in²	per ASTM D-1621 @ 0.95" thick

¹Thermal performance is portrayed to reflect typical installed conditions based upon NAVLAP accredited laboratory testing per ASTM C518 as well as industry accepted engineering calculations. **Applegate® R Foam Insulation** typically is installed at a density of 1.60 lbs./ft³; the above data is based upon ASTM C518 testing at 1.60 lbs./ft³ by R & D Services, Inc., Cookeville, TN. Thermal performance claims are based upon average density and conditions.



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He is the one who will build a house for me, and I will establish his throne forever. (1 Chronicles 17:12)

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