

# JetSpray Thermal Insulation

Submittal Date \_\_\_\_\_



## DESCRIPTION

JetSpray Thermal Insulation is a high performance spray-on insulation system designed for professionals looking to provide premium performance insulation solutions. This insulation system provides ultimate comfort and efficiency for the homeowner while saving time and money for installers. Knauf Insulation's manufacturing process takes the guess work out by incorporating calculated amounts of a water-activated adhesive into the JetSpray fibers, allowing installers to focus on a hassle-free and efficient installation.

## APPLICATION

JetSpray Thermal Insulation can be installed in residential, manufactured and light commercial building's exterior and interior cavity walls for thermal and acoustical performance.

## FEATURES AND BENEFITS

### Consistent Application

No gaps or voids in cavities, easily installed around any wall obstructions (electrical wiring, pipes, security and sound system wiring).

### Thermal Efficiency

Delivers maximum performance with R-values of an R-15 in a 2 x 4 cavity and an R-23 in a 2 x 6 cavity.

### Stabilized Fibers

A monolithic-like blanket is created when JetSpray Thermal Insulation is installed in the cavities preventing settling.

### No Delays

Typically drywall can be installed the next day, causing no impacts to the production schedule.

### Factory Trained

Professional installers are field trained by Knauf Insulation to ensure the highest levels of comfort and performance are achieved.

### Acoustical Benefits

Properly installed wood-framed wall assemblies can see upwards of 5 STC points in sound transmission reduction by incorporating JetSpray Thermal Insulation.

### Grade I Installation

Grade I installation is quick and easy to achieve with the spray-on benefits associated JetSpray Thermal Insulation.

## INSTALLATION AND EQUIPMENT

Knauf Insulation's JetSpray Thermal Insulation should only be installed by factory trained contractors. For more information on approved installers please contact your local Knauf Insulation Territory Manager.

The JetSpray system incorporates many standard blowing wool components in service with most insulation contractors such as

- Blowing wool machine
- Water tank and pump
- Vacuum and portable generator
- Internally corrugated blowing wool and vacuum hoses
- Spray nozzle
- Wall scrubber

## PACKAGING

JetSpray Thermal Insulation is packaged in 32 lb bags.

## STORAGE

Materials should be stored under cover in a dry and clean location.

## COMPLIANCE DATA

### Surface Burning Characteristics

- Does not exceed 25 Flame Spread, 50 Smoke Developed when tested in accordance with ASTM E84

### Thermal Value

- Thermal resistivity (R-value) is determined using industry standard test method ASTM C518.

### Non-Corrosive (ASTM C665)

- Will not compromise the integrity of pipes and wiring located inside of the cavity

### Microbial Growth (ASTM C1338)

- Does not support microbial growth

### Noncombustible (ASTM E136)

- Meets or exceeds requirements

- ASTM C1014
- ASTM C764, Type 1

Acceptance and code requirements should be verified with local building officials.

## WEATHER VARIABLES AND DRY TIMES

Standard installation methods for applying JetSpray Thermal Insulation should allow for drywall to be installed the next day. Recommendations are not to cover the insulation when the moisture content is above 15%.

Dry times are dependent on weather conditions primarily temperature and humidity as well as cavity depth. Seasonal weather patterns will also affect dry times and timeframes may need to be altered to allow for the cavities to reach a moisture content of 15% or less. For deeper cavities (2 x 6) dry times may take longer to reach the 15% mark due to the volume of material in the cavity. A proper moisture reading should be made prior to covering the cavity.

Regardless if you are applying drywall directly over the cavity or a vapor retarder and then drywall, the cavity should have a moisture content of 15% or less.

## NOTES

The chemical and physical properties of Knauf Insulation JetSpray Thermal Insulation represents typical average values determined in accordance with accepted test methods. The data is subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

Check with your Knauf Insulation Territory Manager to assure information is current.

# JetSpray Thermal Insulation

Submittal Sheet



## SIDEWALL COVERAGE INFORMATION

Framing	Cavity Depth	R-Value	Density (lbs/ft <sup>3</sup> )	Bags per 1,000 ft <sup>2</sup>	Maximum Coverage per Bag (ft <sup>2</sup> )	Minimum Weight per ft <sup>2</sup> (lbs/ft <sup>2</sup> )
2 x 4	3.50"	R-15	1.9	17.3	57.7	0.554
2 x 6	5.50"	R-23	1.9	27.2	36.7	0.871
2 x 8	7.25"	R-31	1.9	35.9	27.9	1.148
2 x 10	9.25"	R-39	1.9	45.8	21.8	1.465
2 x 4	3.50"	R-14	1.5	13.7	73.1	0.438
2 x 6	5.50"	R-22	1.5	21.5	46.5	0.688
2 x 8	7.25"	R-29	1.5	28.3	35.3	0.906
2 x 10	9.25"	R-37	1.5	36.1	27.7	1.156

Bag Net Weight - Nominal 32 lb., Minimum 31 lb.

"R" means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that this insulation be installed properly. To achieve stated R-values, the insulation must be installed at stated minimal thicknesses and maximum coverages. Stated R-value will be reduced with the use of refeed material. Field manufacturing variables such as density and installation techniques may affect stated R-values. Following recommended manufacturer's installation guidelines will minimize application variances. Field blending of this product with other loose fill insulations or application of this product in conjunction with adhesive or binder systems may affect its thermal performance and is not recommended by the manufacturer. To achieve stated R-values, this product must be applied with a pneumatic blowing machine equipped with a fluid delivery system, a collector box and a corrugated hose with a minimum ¼" internal corrugation and a minimum length of 150'. Additional equipment needed to finish wall sections would include a spray nozzle, wall scrubber, and a vacuum.



### UL Environment GREENGUARD Gold

Knauf Insulation building insulation achieved UL Environment GREENGUARD Gold and is UL Environment validated to be formaldehyde free.

### UL Environment GREENGUARD Certification Program

Products are certified to UL Environment GREENGUARD standards for low chemical emissions into indoor air during product usage.

### UL Environmental Product Declarations

EPD Certification is documentation fully disclosing a product's environmental impact as well as other information regarding human toxicity, risk, and social responsibility.

For more information, visit [ul.com/spg](http://ul.com/spg).



### LEED Eligible Product

Use of this product may help building projects meet green building standards as set by the Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

### LEED v2009

MR Credit 4.1 - 4.2 Recycled Content  
MR Credit 5.1 - 5.2 Regional Materials

### LEED v4

Knauf Insulation offers several products for both envelope and mechanical systems that have ingredient disclosure and transparency. Please contact [transparency@knaufinsulation.com](mailto:transparency@knaufinsulation.com) for products that currently contribute to MR credits.



This product has been tested and is certified to meet the EUCEB requirements.

This product is covered by one or more U.S. and/or other patents. See patent [www.knaufinsulation.us/patents](http://www.knaufinsulation.us/patents)