

## DATA SHEET

# JetSpray™ Thermal

## Spray-On Insulation System



### DESCRIPTION

JetSpray Thermal Spray-On Insulation System is designed for professionals looking to provide high-performance insulation solutions. This insulation system provides 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 specific amounts of a water-activated adhesive into the JetSpray fibers.

### APPLICATION

- Residential, manufactured and light commercial buildings
- Exterior and interior cavity walls for thermal and acoustical performance
- Materials should be stored under cover in a dry and clean location

### SPECIFICATION COMPLIANCE

- ASTM C1014
- ASTM C764, Type 1
- CCMC 13315-R

### INSTALLATION AND EQUIPMENT

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 utilizes many standard blowing insulation components in service with most insulation contractors such as:

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

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

CONTRACTOR: \_\_\_\_\_

JOB: \_\_\_\_\_

DATE: \_\_\_\_\_

### DOING MORE FOR THE WORLD WE LIVE IN.

All of our products are made from sustainable resources, such as recycled glass and sand. And we're proud to be putting glass bottles back to work rather than into landfills. Our products are made with a minimum of 50% recycled glass—totaling an average of 26 million bottles each month.



### 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 time frames 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.

TECHNICAL DATA		
Property (Unit)	Test	Performance
Corrosiveness	ASTM C665	Does not accelerate corrosion of steel
Combustibility	ASTM E136	Non-combustible
Thermal Value	ASTM C518	See "Forms Available" table
Mold Growth	ASTM C1338	Pass
Surface Burning Characteristics (flame spread/smoke developed)	ASTM E84	25/50

SIDEWALL COVERAGE						
Framing	Cavity Depth	R-Value	Density	Bags/ 1,000 ft <sup>2</sup>	Maximum Coverage/ Bag (ft <sup>2</sup> )	Minimum Weight/ft <sup>2</sup> (lbs/ft <sup>2</sup> )
2 x 4	3.50"	R-15	1.9 PCF	17.3	57.7	0.554
2 x 6	5.50"	R-23		27.2	36.7	0.871
2 x 8	7.25"	R-31		35.9	27.9	1.148
2 x 10	9.25"	R-39		45.8	21.8	1.465
2 x 4	3.50"	R-14	1.5 PCF	13.7	73.1	0.438
2 x 6	5.50"	R-22		21.5	46.5	0.688
2 x 8	7.25"	R-29		28.3	35.3	0.906
2 x 10	9.25"	R-37		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 re-feed 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 Knauf-approved 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 an approved spray nozzle, wall scrubber, and a vacuum. See list of Knauf-approved equipment for installing Jet Spray Thermal.

## CERTIFICATIONS



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

The chemical and physical properties of this product represent 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.

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

Visit [knaufnorthamerica.com](http://knaufnorthamerica.com) to learn more.

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