

# ThermoForm

## Section 09530 Sprayed Thermal and Acoustic Insulation

## PART 1 - GENERAL

## 1.01 WORK INCLUDED

1. Sprayed cellulose thermal and acoustical insulation.
2. The work to be performed under this section shall include all materials, equipment, labor, and services required to install the sprayed cellulose fiber in accordance with these specifications as indicated on the drawings if applicable.

## 1.02 RELATED WORK

1. All electrical, plumbing, data cable, telephone lines, security system wiring and mechanical penetrations must be completed prior to application.

## 1.03 SYSTEMS DESCRIPTION / QUALITY ASSURANCE

1. Contractor must be approved by the manufacturer.
1. Contractor must use a total system, including fiber and adhesive and tested in sprayed form by Underwriters Laboratories and subject to follow-up inspection. Each bag shall be labeled accordingly. No substitution may be made.
2. Mockup: Apply a representative sample of 100 square feet to be reviewed by the Architect and/or Owner prior to proceeding with work.

## 1.04 SUBMITTALS

1. Submit product data and manufacturer=s certificate that the product meets or exceeds specified requirements.
2. Manufacturer=s written certification that the product contains no asbestos, fiberglass, or other man-made mineral fibers.

## 1.05 DELIVERY, STORAGE, AND HANDLING

1. Materials shall be delivered in original, unopened containers bearing the name of the manufacturer, product identification, and reference to Underwriters Laboratory testing.
2. Store materials off the ground in a dry location at all times.

## PART 2 - PRODUCTS

## 2.01 ACCEPTABLE MANUFACTURERS

1. Applegate Louisiana LLC  
2500 Jackson Street  
Monroe, LA 71202  
(318)323-1337 or (800)854-1907  
Fax: (318)323-1338  
[www.thermocon.com](http://www.thermocon.com)    [thermocon@applegateinsulation.com](mailto:thermocon@applegateinsulation.com)  
For approved applicators, contact ThermoCon at (800)854-1907.

## 2.02 MATERIALS

1. ThermoForm Sprayed Thermal and Acoustic Insulation System
2. Apply at nominal thickness to provide R-value indicated in Schedule 3.03.
3. Sprayed material shall meet all standards of performance according to ASTM C1149 Type II Cellulose insulation containing a dry adhesive for enclosed or covered application

4. Thermal testing in accordance with ASTM C518
 

R value	3.5 per inch
K-factor	.285 per inch
5. Underwriters Laboratories tested and listed according to UL723.  
Ref # 9408
 

Flame spread	15
Smoke developed	0
6. Comply with ASTM Standards
 

E119	Fire wall test - accepted for use in fire-rated wall assemblies
C518	Thermal resistance testing
D591	Starch content
E90	Sound wall test
D1499	Aging; 5 years no change
7. UMB-80 Shall meet requirements of HUD.
8. ThermoForm complies with the requirements of ICBO, BOCA, SBCCI and CABO.

### PART 3 - EXECUTION

### **3.01 INSPECTION**

1. Insulation contractor shall examine all surfaces for voids, projections, foreign substances on surfaces, lack of caulking at plates, or other problems, which might interfere with integrity of the complete wall system. Report unsatisfactory conditions in writing and do not proceed until corrected.
2. All surfaces must be free of dust, dirt, rust, oil, grease, and exotic coatings.
3. Assure that all electrical, plumbing, data cable, telephone lines, security system wiring and mechanical penetrations are installed before applying insulation.
4. Spray insulation into cracks, seams, holes, around outlet boxes, plumbing, and ducts at manufacturer recommended pressure.

### 3.02 INSTALLATION

1. Equipment, and application shall be in accordance with manufacturer=s application instructions and specification.
2. Provide masking, drop cloths, or other satisfactory covering protection for all surfaces not to be sprayed to prevent damage from over-spray.
3. Continuous mechanical or natural ventilation shall be applied to cure sprayed insulation.
4. Thickness to be determined as ASTM E605 protocol.

### 3.03 Schedule

Provide a schedule when insulation requires listing by thickness, R-value, NRC value, color, or other attributes.

## END OF SECTION