

Section 07 21 29
K-13® Spray-On High R-Value System
Specification Guide 10/14

PART 1 – GENERAL

1.01 Section Includes

- A. Sprayed cellulose thermal insulation.
- B. Sprayed cellulose acoustical insulation.

1.02 Related Items

- A. Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed by other trades prior to the application of sprayed insulation.
- B. Ducts, piping, conduit or other suspended equipment will not be positioned until after the application of sprayed insulation.
- C. Roof penetrations to be installed prior to application.

1.03 Quality Assurance

- A. Manufacturer must have a current Underwriters Laboratories (UL) Code Evaluation Report.
- B. Manufacturer must be in compliance with the 2009 and 2012 International Building Code.
- C. Manufacturer must be ISO 9001:2008 Certified.
- D. Applicator: Licensed by manufacturer.
- E. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriters Laboratories and Factory Mutual. Each bag will be labeled accordingly.

1.04 Submittals

- A. Submit product data that the product meets or exceeds the following specified requirements.
 - 1. Bond strength to be greater than 100 psf per ASTM E 736.
 - 2. Product will be Class 1 Class A per ASTM E 84/ UL 723.
 - 3. Non-corrosive per ASTM C 739.
 - 4. Bond Deflection per ASTM E 759: 6" Deflection in 10' Span – No Spalling or Delamination.
 - 5. Comply with IBC 803.3/2009 IBC 803.10 stability requirements for interior finishes.
- B. Manufacturer's Tech Bulletin for General Curing Procedures.
- C. Manufacturer's written certification that product contains no asbestos, fiberglass or other man-made mineral fibers.
- D. Copy of manufacturer's ISO 9001:2008 Certification.
- E. Minimum Fiber Recycled Content to be 75%.
- F. Cannot contain any added Urea-Formaldehyde Resins.

1.05 Delivery, Storage and Handling

- A. Deliver in original, unopened containers bearing name of manufacturer, product identification and reference to U.L. testing.
- B. Store materials dry, off ground, and under cover.
- C. Protect liquid adhesive from freezing.

PART 2 – PRODUCTS

2.01 Acceptable Manufacturers

- A. International Cellulose Corporation
12315 Robin Boulevard
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Houston, Texas 77045
(713) 433-6701 or (800) 444-1252
FAX: (713) 433-2029

www.spray-on.com icc@spray-on.com

- B. For approved applicators contact ICC at 800-444-1252.

2.02 Materials

- A. K-13 Spray-On High R-Value System.
1. Comply with local Building Code requirements.

PART 3 – EXECUTION

3.01 Examination

- A. Examine surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.
B. Verify surfaces to receive spray insulation to determine if priming/sealing is required to ensure bonding and/or to prevent discoloration caused by migratory stains.

3.02 Preparation

- A. Provide masking, drop cloths or other satisfactory coverings for materials/surfaces that are not to receive insulation to protect from over-spray.
B. Coordinate installation of the sprayed cellulose fiber with work of other trades.
C. Prime surfaces as required by manufacturer's instructions or as determined by examination.

3.03 Installation

- A. Install spray applied insulation according to manufacturer's recommendations.
B. Install spray applied insulation to achieve an average R-Value of ____.
C. Install approved 6" stick pins 16" o.c. in both directions, starting 3" from the walls.
D. The first pass will be an average of 4" or 5" thick.
E. The color for the first pass will be tan.
F. Install spray applied insulation to manufacturer's recommendations.
G. Attach Structalath to stick pins with galvanized washers. Pull any slack from lath.
H. Install the second pass of spray-applied insulation to total required R-Value.
I. Color to be Light Gray.
J. Use fans to keep air moving across the material and force moisture laden air outside. The material must be ventilated continuously until dry.
K. Remove and dispose of over-spray.

3.04 Protection

- A. Protect finished installation under provision of Division 1.
B. It is the General Contractor's responsibility to ensure proper ventilation after the application is complete.

END OF SECTION
