Ure-K spray coating

Section 07 21 29
Ure-K Thermal Barrier System

PART 1 – GENERAL

1.01 Section Includes

A. Sprayed cellulose thermal barrier 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 shall not be positioned until after the application of sprayed insulation.
C. Roof penetrations to be installed prior to application.

1.03 Quality Assurance

A.
B. Applicator: Licensed by manufacturer.
C. Manufacturer must subscribe to independent laboratory follow-up inspection services of Underwriters Laboratories and Factory Mutual. Each bag shall be labeled accordingly.
D. Mock-up: Apply a 100 square foot representative sample to be reviewed by the Architect and/or Owner prior to proceeding.

1.04 Submittals

A. Submit product data that the product meets or exceeds the

1. R-Value shall be 3.6 per inch per ASTM C 518.
2. Bond strength shall be greater than 100 psf per ASTM E 736.
3. Product shall be Class 1 Class A per ASTM E 84/ UL 723.
4. Tested in accordance with UBC 26-2 Test Method for the evaluation of Thermal Barriers (ASTM E 119)
5. NRC to be 0.80 @ 1.25” thick per ASTM E 1042.
6. Pass Full – Scale Corner Test.

B.

C.
D. Minimum Fiber Recycled Content to be 75%.
E. Cannot contain any Urea-Formaldehyde Resins.

1.05 Delivery, Storage and Handling

A. Deliver in original, unopened containers bearing name of

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
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. Ure-K Thermal Barrier System.
1. Color shall be from Manufacturer’s standard color chart.
2. 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 insure 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.
of other trades.
C. Prime surfaces as required by manufacturer’s instructions or as determined by examination.

3.03 Installation

A. Thickness will be determined as the minimum thickness

B. Install spray applied insulation according to manufacturer’s recommendations.
C. Install Thermal Barrier System at 1.25” average thickness.
D. Cure insulation with continuous natural or mechanical ventilation.
E. Remove and dispose of over-spray.

3.04 Protection

A.

INTERNATIONAL CELLULOSE CORPORATION
® MANUFACTURER OF INSULATION SYSTEMS

12315 ROBIN BLVD.
HOUSTON, TX 77045

Professionally installed by:

Ure-K® is manufactured with:
Minimum 80% recycled content

PRINTED IN USA 01/11

10% TOTAL RECOVERED FIBER
ALL POST-CONSUMER FIBER

Mixed Sources
Product group from well-managed forests, controlled sources and recycled wood or fiber
www.fsc.org Cert no. SW-COC-001530
© 1996 Forest Stewardship Council

Ure-K® spray coating

A True 15 Minute Thermal Barrier

Urethane Foam

1.25” Ure-K

CERTIFIED APPLICATOR
ISLAND DIVERSIFIED
Phone: 631.953.6990
Fax: 631.953.6991
www.idthermal.com
WWW.islanddiversified.com
1191 Scott Avenue Calverton, New York. 11933

Ure-K Spray System for Thermal Barriers

INTERNATIONAL CELLULOSE CORPORATION
® MANUFACTURER OF INSULATION SYSTEMS

www.spray-on.com

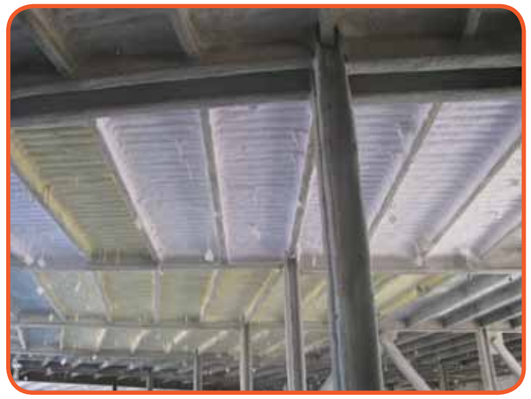
Why Foam Needs a True Thermal Barrier

Thermal Barrier

Ure-K has been tested and approved as a 15 minute thermal barrier over foam plastic insulation. Ure-K covers

temperature for a minimum of 15 minutes to prevent

thickness of Ure-K is 1.25 inches.



Thermal Insulator

Ure-K adds additional R-value to the assembly. Ure-K has an R-value of 3.6 per inch. The combination of Ure-K and

insulations.

Noise Reduction

sound absorption surface. Ure-K at a thickness of 1.25 inches over the surface of urethane foam will provide an overall Noise

Installed System

to the urethane foam through equipment engineered to control the material density and

Testing

ASTM E-119 (UBC 26-2)
NFPA 286 (Testing over 2 pound and 0.5 pound foam)
ASTM E-84

Foam insulation systems are developed from plastic polystyrenes, polyurethanes, and polyisocyanurates. If foam is left exposed on the interior of a building, it can create a life threatening possibility in the

Exposed Closed Cell Foam

Ure-K at 10 minutes