



The Bellaire Fire Station melds form and function and provides a home away from home for Bellaire’s fire department staff. While the first level houses the Administrative Offices and Emergency Operations Center as well as the apparatus and equipment necessary to protect the citizens of Bellaire, the second level supports the living and working spaces of the firefighters.

The fire station construction emphasizes the modern functionality, is able to withstand winds up to 142 mph and is blended with a traditional aesthetic that fits seamlessly into the surrounding residential neighborhood. The resulting building allows the city to pursue a certification of LEED Silver as recognized by the US Green Building Council; the first in Bellaire!

The Fire Station is:

- Highly Efficient
- Utilizes energy efficient materials and systems
- Incorporates recycled building materials

| | |
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| PROJECT | Bellaire Fire Station Bellaire, TX |
| DETAILS | Ure-K White 12,000 Square Feet 1.25” Thickness |
| ARCHITECT | PGAL Houston, TX |

International Cellulose Corporation’s Ure-K satisfies fire protection requirements with the Local Building Code and will provide a highly efficient sound absorption and insulation rating. Ure-K is a thermal barrier approved as a building interior insulation to delay the ignition and reduce the surface burning rate of low melting, combustible rigid spray-on polyurethane foam in new construction projects as a combination system.

Contact International Cellulose Corporation today at 800.444.1252 or visit us online at www.spray-on.com for complete details on how ICC can improve your building projects.

SIMILAR URE-K PROJECTS



Gulf Freeway Office Building
Houston, TX



Liedertafel Hall
Sealy, TX



Strong Museum
Rochester, NY

Ure-K® Thermal Barrier System Section 072129 Specification Guide 05/09

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. Manufacturer must be ISO 9001:2008 Certified.
- 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 following specified requirements.
 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. Manufacturer's written certification that product contains no asbestos, fiberglass or other man-made mineral fibers.
- C. Copy of manufacturer's ISO 9001:2008 Certification.
- 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 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
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. 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. Thickness will be determined as the minimum thickness measured as per ASTM E-605 field test procedure.
- 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. Protect finished installation under provision of Division 1.



Professionally installed by:

12315 ROBIN BLVD.
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Ure-K® is manufactured with:
Minimum 80% recycled content

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