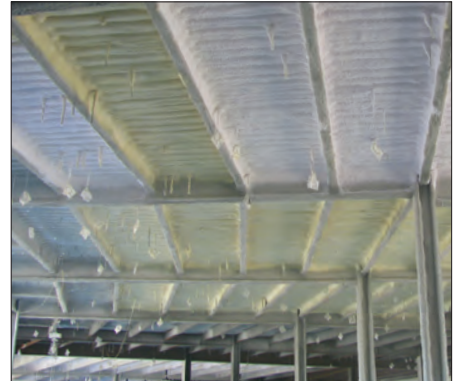


**CSI MasterFormat® Filing:**  
**Division 7: Thermal & Moisture Protection**

- 07 21 00 Thermal Insulation
- 07 21 29 Sprayed Insulation

**Division 9: Finishes**

- 09 81 00 Acoustic Insulation
- 09 81 29 Sprayed Acoustic Insulation
- 09 83 00 Acoustic Finishes
- 09 83 16 Acoustic Ceiling Coating



**MANUFACTURER INFORMATION:**

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

**1. PRODUCT DESCRIPTION:**

Ure-K is a spray-applied **15-minute Thermal Barrier** approved to go over polyurethane foam. At the standard 1.25" thick application, Ure-K contributes an additional R-4.5 to the overall insulation system. Ure-K's monolithic exposed finish also provides acoustic benefits with an NRC of .95. Ure-K has a **Natural Texture** and is available in five standard colors along with specially-matched custom colors.

**2. BASIC USE:**

Ure-K is used as **15-Minute Thermal Barrier** over exposed applications of polyurethane foam in existing buildings and new construction projects as a combination system to meet mandatory code requirements. Additionally, Ure-K provides acoustical and thermal benefits.

**3. MATERIAL COLORS:**

Ure-K is available in five standard colors and can also be specified in specially-matched custom colors.

**STANDARD COLORS:**



*Color selection will affect the final price.*

**4. SURFACE PREPARATION:**

Ure-K adheres to polyurethane foam as 15-Minute Thermal Barrier. Surfaces to receive Ure-K are to be inspected prior to installation to determine if pretreatment is required.

**5. APPLICATION:**

Ure-K is installed by an international network of professional contractors licensed by ICC. These contractors are required to install Ure-K using approved equipment, materials, and procedures. Due to the inherent texture of the material and application techniques, the installed material will have thickness variances. Compliance with applicable building codes and project requirements is the responsibility of the user and/or installing contractor.

**SUSTAINABLE CREDIT CATEGORIES:**

**MATERIALS + RESOURCES:**

RECYCLED CONTENT: 80% Pre-Consumer

REGIONAL MATERIALS: Manufactured By International Cellulose Corporation in Houston, TX.

MATERIAL INGREDIENT REPORTING: Inventoried to 1,000 PPM in accordance with the HPD Collaborative.

**INDOOR ENVIRONMENTAL QUALITY:**

INDOOR AIR QUALITY:

UL GREENGUARD Gold Certified

*May Contribute Towards:*

LEED v4: Indoor Air Quality Assessment

LEED v4: Enhanced Indoor Air Quality Strategies

THERMAL COMFORT: Ure-K has exceptionally low heat-loss characteristics with an R-Value of 3.6

ACOUSTICAL PERFORMANCE

LOW-EMITTING MATERIALS:

Compliant With:

LEED v4: Low-Emitting Materials

CDHP/ California Section 01350

SCAQMD Rule 1168

CHPS - Acoustical Ceiling

## TECHNICAL DATA:

### ASTM STANDARDS COMPLIANCE

- ASTM C 423 Sound Absorption
- ASTM C 518 Thermal Conductivity
- ASTM D 2244 Light Reflectance
- ASTM E 84 Surface Burning Characteristics
- ASTM E 119 Fire Test
- ASTM E 736 Cohesion/Adhesion - Bond Strength

### 2009 IBC Section 803.10: Stability

Ure-K was applied at an average thickness of 1.25 inches over open and closed cell foam and met the requirements of the 30-minute stability test set forth in 2009 IBC Section 803.10 tested at 200°F.

### 2009 IBC Section 2603.4: Thermal Barrier

Ure-K was tested in accordance with and meets the acceptance criteria of both the Temperature Transmission Fire Test and the Integrity Fire Test of NFPA 275 Part 1 & Part 2. Ure-K is approved to be used as a 15-Minute Thermal Barrier over Polyurethane Foam.

### NFPA 275: Part 1 / ASTM E 119 / UBC 26-2: Test Method for the Evaluation of Thermal Barriers

Ure-K was applied at an average thickness of 1.25 inches.

### NFPA 275: Part 2: Walls & Ceiling Finishes / NFPA 286

Ure-K was applied at an average thickness of 1.25 inches over 2 pcf and .5 pcf spray-applied polyurethane foam. Ure-K met the criteria set forth in the 2003 IBC Section 803.2.1.

### ASTM C 423: Sound Absorption (NRC)

#### URE-K APPLIED OVER CLOSED-CELL POLYURETHANE FOAM

| Inches | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | NRC |
|--------|--------|--------|--------|---------|---------|---------|-----|
| 1.25"  | .38    | .57    | 1.00   | 1.07    | 1.06    | 1.07    | .95 |

### ASTM C 518: Thermal Conductivity

R-Value: 3.6 PER INCH

| STANDARD APPLICATION THICKNESS | R-VALUE |
|--------------------------------|---------|
| 1.25"                          | 4.5     |

### ASTM D 2244: Light Reflectance

|                 |            |
|-----------------|------------|
| White: 84+      | Black: 17+ |
| Light Gray: 73+ | Gray: 45+  |
| Beige: 71+      |            |

### ASTM E 84: Surface Burning Characteristics

CLASS 1, CLASS A RATED per ASTM E 84, UL 723, NFPA 255, & UBC 42

Flame Spread 5

Smoke Development 5

Ure-K has been rated and approved by Factory Mutual Research Corporation for use in category III.

### ASTM E 736: Cohesion/Adhesion - Bond Strength

Bond Strength >100psf

### MISCELLANEOUS CODE APPROVALS & SPECIFICATIONS

- Underwriters Laboratories – Classified Code Compliance Report UL ER 5499
- Factory Mutual Research – Report Nos. 19678, 20399, and 24703
- Federal Defense Logistics Agency Cage Code: ONJU2
- Federal Specification – SS-S-111C
- Corps of Engineers Guide Specifications – CE-201.01
- Department of the Navy Guide Specifications – NFGS-07218
- EPA 40 CFR Part 248
- Los Angeles – RR-24311
- New York – MEA 65-96-M
- Meets California Bureau of Home Furnishings Standards
- Resource Conservation and Recovery Act

Ure-K does not contain silica dust, asbestos, mineral or glass fibers, or PCB's.

