

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 four standard colors along with custom matched 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 four standard colors can also be specified in custom colors.

STANDARD COLORS:

Black	Gray	Lt. Gray	White
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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 pre-treatment 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
 Natural Based Fibers

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

MATERIAL INGREDIENT REPORTING: Inventoried to 1 00 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	Noise Reduction Coefficients
ASTM C 518	Thermal Conductivity
ASTM D 2244	Light Reflectance
ASTM E 84	Surface Burning Characteristics
ASTM E 119	Fire Test
ASTM E 736	Bond Strength

2015 IBC Section 803.12: 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 2015. IBC 803.12 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.

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	R-VALUE
1.25"	4.5

ASTM D 2244: Light Reflectance

White: 84+	Tan: 46+
Light Gray: 73+	Gray: 45+
Black: 17+	



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: 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

Corps of Engineers Guide Specifications - CE-201.01

Department of the Navy Guide Specifications - NFGS-07218

EPA 40 CFR Part 248

Meets California Bureau of Home Furnishings Standards

Resource Conservation and Recovery Act

Federal Specification - SS-S-111C

Los Angeles - RR-24311

New York - MEA 65-96-M

Florida building code section 2603.4

