

**K-13 / SONASPRAY "FC" / URE-K / SONAKRETE**  
SUSTAINABLE CREDIT CATEGORIES FOR  
LEED® V.4 & GREEN BUILDING PROJECTS

REV.:  
10/2

VERSION:  
1.2

## MATERIALS & RESOURCES:

### RECYCLED CONTENT

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, consisting of natural plant-based fibers, and specialty water-based adhesives, contains 80% Pre-Consumer Recycled Content.

### REGIONAL MATERIALS



K-13, SonaSpray "fc", Ure-K, and SonaKrete are manufactured in the United States by International Cellulose Corporation (ICC) in Houston, Texas. Adhesives are produced and shipped in concentrated form and are diluted with water sourced from the job site.

### RENEWABLE/RAW INGREDIENTS

Cellulose, the primary raw ingredient in the K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, contains wood, cotton and other rapidly renewable resources. Cellulose takes less energy to make compared to other building insulation materials, and sequesters carbon for the useful life of the application-reducing the release of harmful greenhouse gases into the environment.

### CONSTRUCTION WASTE MANAGEMENT

Cellulose fibers may be fully recovered and reused on site, leaving virtually no excess material to return to the waste stream.

	CSI #:	DESCRIPTION:
<b>K-13</b>	07 21 29/09 83 16	Acoustical/Thermal Finish
<b>SONASPRAY "FC"</b>	09 83 00/09 83 16	Acoustical Finish
<b>URE-K</b>	07 21 00/09 83 16	15 Minute Thermal Barrier
<b>SONAKRETE</b>	09 83 00/09 83 16	Acoustical Finish
	   	
<b>K-13</b>	✓	✓
<b>SONASPRAY "FC"</b>	✓	✓
<b>URE-K</b>	✓	✓
<b>SONAKRETE</b>	✓	✓

## MATERIAL INGREDIENT REPORTING:

### HEALTH PRODUCT DECLARATION (HPD):

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems have been inventoried to 1,000 PPM in accordance with the Health Product Declaration Collaborative (HPDC). ICC has provided an ingredient list for 98% of the total product and all proprietary materials chemicals have been disclosed to a third party to verify they are non hazardous.

### INGREDIENT OPTIMIZATION-RED LIST:

These products meet the Living Building Challenge<sup>SM</sup> requirement that they do not contain chemicals on the Red List. The Red List contains some of the worst materials prevalent in the building industry. Additionally, these products do not contain glass, mineral, asbestos, silica, or synthetic fibers.

### AVOIDANCE OF HAZARDOUS SUBSTANCES:

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems, are not formulated with heavy metals and do not contain: Lead (Pb), Cadmium (Cd), Mercury (Hg), and Hexavalent Chromium (Cr (VI)), or other heavy metals. Additionally, these products do not contain ozone depleting substances such as CFC's or HCFC's; Isocyanate or any Brominated Flame Retardants (PBTs).



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## INDOOR ENVIRONMENTAL QUALITY (IEQ):

### LOW EMITTING BUILDING MATERIALS

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems are M1 Classified as a Low Emitting Building Material and are compliant with CDPH/CA Section 01350.

### INDOOR AIR QUALITY

K-13, SonaSpray "fc", Ure-K, and SonaKrete spray-on systems are GREENGUARD Gold Certified per UL Environmental. GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air.

### LIGHT REFLECTANCE

K-13 White, SonaSpray "fc" Arctic White, and White, and SonaKrete Arctic White, and White provide high light reflectance values and can be utilized to enhance natural daylighting and contribute towards lighting efficiency. Light Reflectance Values (LRV) per ASTM D 2244: K-13 White: 84, SonaSpray "fc" Arctic White: 89, SonaSpray "fc" White: 86, SonaKrete Arctic White: 91, SonaKrete White: 88.

### ACOUSTIC PERFORMANCE

Unlike hard surfaces and materials, which reflect sound, K-13, SonaSpray "fc", Ure-K, and SonaKrete absorb excessive noise, making speech and music more intelligible, while enhancing acoustical comfort and functionality.

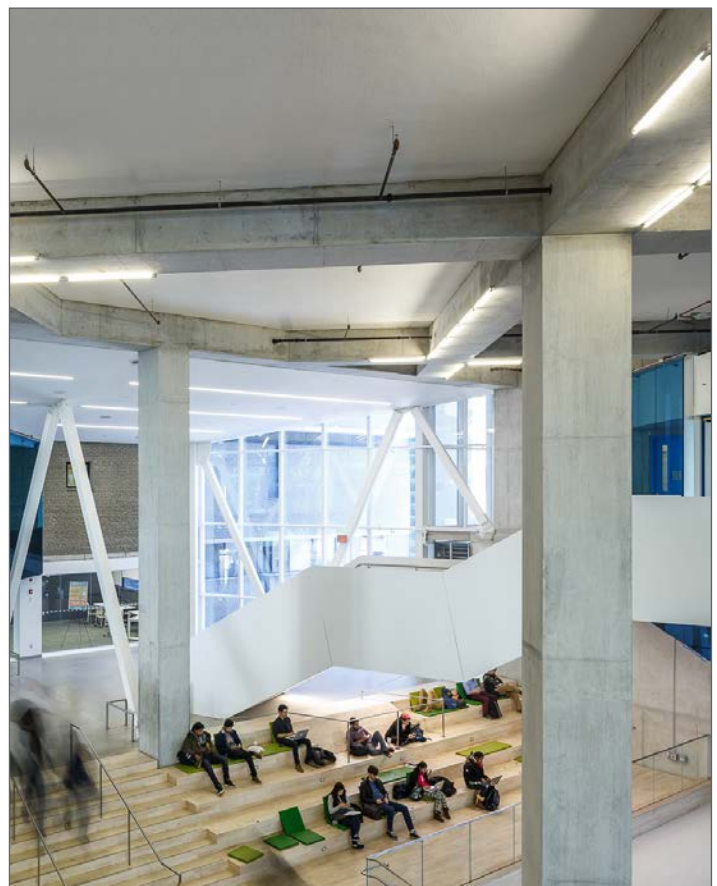
### SOUND ABSORPTION DATA PER ASTM C 423:

K-13	NRC:
1.00" Thick on Solid Backing	.80
1.75" Thick on Solid Backing	1.00
1.50" Thick on 3" Metal Deck	1.05
SonaSpray "fc"	NRC:
0.75" Thick on Solid Backing	.75
1.00" Thick on Solid Backing	.85
0.75" Thick on 1.5" Metal Deck	.80
Ure-K	NRC:
1.25" Applied over Closed-Cell Polyurethane Foam	.95
SonaKrete	NRC:
0.375" Thick on Solid Backing	.55
0.50" Thick on Solid Backing	.65
0.75" Thick on Solid Backing	.75



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FIRM: SNØHETTA

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Note: Credit contributions and sustainable credit categories vary by the design certification system, version and framework. International Cellulose Corporation is a charter member of the United States Green Building Council (USGBC). LEED® is a registered trademark of USGBC.

Test reports & additional information is available upon request.