**K-13**

**THERMAL & ACOUSTICAL FINISH**

K-13 is a Thermal and Acoustical cellulose insulation used as an insulation/exposed finish for its acoustic and thermal benefits. K-13’s monolithic coating absorbs excess noise and provides an R-value of 3.75 per inch. K-13 has a Natural Texture and is available in seven standard colors and custom integral colors.

**BASIC USE:**

K-13 is typically used as an exposed ceiling finish for its acoustic and thermal benefits. It is appropriate in both interior and covered exterior applications such as parking decks.

**CLASS A, CLASS 1 FIRE-RATED**

7 STANDARD COLORS - CUSTOM COLORS AVAILABLE

**SONAKRETE**

**ACOUSTICAL FINISH**

Sonakrete is a premium Acoustic finish with a very refined, Plaster Texture. Sonakrete is spray-applied, then troweled smooth making it ideal for historic renovation or domed ceilings. Sonakrete is available in two standard colors along with custom integral colors.

**BASIC USE:**

Sonakrete is used as an exposed ceiling and/or wall finish for its acoustic benefits and customizable color options. It is appropriate for interior spaces to reduce excessive noise and improve intelligibility without compromising aesthetic objectives. Sonakrete is spray-applied up to 3/4", then troweled smooth for a seamless finish.

**CLASS A, CLASS 1 FIRE-RATED**

2 STANDARD COLORS - CUSTOM COLORS AVAILABLE

**SONASPRAY “FC”**

**ACOUSTICAL FINISH**

Sonaspray “fc” is a spray-applied exposed ceiling finish used for Acoustical control. Sonaspray “fc” is applied as a monolithic coating to absorb excess noise and improve intelligibility. Sonaspray “fc” has a Refined Texture and is available in three standard colors and custom integral colors.

**BASIC USE:**

Sonaspray “fc” is typically used as an exposed ceiling finish for its acoustic benefits and customizable color options. It is appropriate for interior spaces such as gymnasiums and open-plan offices to reduce excessive noise and reverberation.

**CLASS A, CLASS 1 FIRE-RATED**

4 STANDARD COLORS - CUSTOM COLORS AVAILABLE

**URE-K**

**15-MINUTE THERMAL BARRIER**

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 custom matched colors.

**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.

**CLASS A, CLASS 1 FIRE-RATED**

5 STANDARD COLORS - CUSTOM COLORS AVAILABLE
TECHNICAL DATA

K-13
ASTM C 423:
SOUND ABSORPTION (NRC)*
1" on Solid Backing .80
2" on Solid Backing 1.00
3" on Ribbed Metal Deck 1.05
ASTM D 2244: LIGHT REFLECTANCE
White: 84+
ASTM E 736: BOND STRENGTH
>100 PSF
ASTM C 518: R-VALUE
3.75 PER IN²
ASTM E 84/UL 723:
SURFACE BURNING
Class 1, Class A Rated
Flame Spread - 5
Smoke Development - 5
Rated & Approved by Factory Mutual
Research Corporation for use in categories: I, II, III, & IV.

SONASPRAY “FC”
ASTM C 423:
SOUND ABSORPTION (NRC)*
.5" on Solid Backing .65
1" on Solid Backing .85
.75" on Ribbed Metal Deck .80
ASTM D 2244: LIGHT REFLECTANCE
White: 86+, Arctic White: 89+
ASTM E 736: BOND STRENGTH
>600 PSF
ASTM E 761: COMPRESSION STRENGTH
>400 PSF
ASTM E 84/UL 723: SURFACE BURNING
Class 1, Class A Rated
Flame Spread - 5
Smoke Development - 5

SONAKRETE
ASTM C 423:
SOUND ABSORPTION (NRC)*
.25" on Solid Backing .50
.5" on Solid Backing .65
.75" on Solid Backing .75
ASTM D 2244: LIGHT REFLECTANCE
White: 88+, Arctic White: 91+
ASTM E 736: BOND STRENGTH
>800 PSF
ASTM E 84/UL 723: SURFACE BURNING
Class 1, Class A Rated
Flame Spread - 10
Smoke Development - 5

URE-K
ASTM C 423:
SOUND ABSORPTION (NRC)*
1.25" over 2" Urethane Foam .95
ASTM D 2244: LIGHT REFLECTANCE
White: 84+
ASTM E 736: BOND STRENGTH
>100 PSF
ASTM C 518: R-VALUE
3.6 PER IN²
ASTM E 84/UL 723: SURFACE BURNING
Class 1, Class A Rated
Flame Spread - 5
Smoke Development - 5
Rated & Approved by Factory Mutual
Research Corporation for use in category III.

Ure-K is approved to be used as a
15-minute thermal barrier over
Polyurethane Foam as set forth in NFPA

SUSTAINABILITY

K-13
MATERIALS + RESOURCES:
RECYCLED CONTENT: 80% Pre-Consumer
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: K-13 has exceptionally low heat-loss characteristics with an R-Value of 3.75 per inch.

ACOUSTICAL PERFORMANCE
LOW-EMITTING MATERIALS:
M1 Classified as a Low-Emitting Building Material
Compliant With:
LEED v4: Low-Emitting Materials
CDHP/ California Section 01350
SCAQMD Rule 1168
CHPS- Acoustical Ceiling

SONASPRAY “FC”
MATERIALS + RESOURCES:
RECYCLED CONTENT: 80% Pre-Consumer
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

ACOUSTICAL PERFORMANCE
INTERIOR LIGHTING:
SonaSpray “fc” in Arctic White has an LRV of 91+ and may contribute to efficient lighting plans for lighting quality.

LOW-EMITTING MATERIALS:
M1 Classified as a Low-Emitting Building Material
Compliant With:
LEED v4: Low-Emitting Materials
CDHP/ California Section 01350
SCAQMD Rule 1168
CHPS- Acoustical Ceiling

SONAKRETE
MATERIALS + RESOURCES:
RECYCLED CONTENT: 80% Pre-Consumer
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

ACOUSTICAL PERFORMANCE
INTERIOR LIGHTING:
Sonakrete in Arctic White has an LRV of 91+ and may contribute to efficient lighting plans for lighting quality.

LOW-EMITTING MATERIALS:
M1 Classified as a Low-Emitting Building Material
Compliant With:
LEED v4: Low-Emitting Materials
CDHP/ California Section 01350
SCAQMD Rule 1168
CHPS- Acoustical Ceiling

URE-K
MATERIALS + RESOURCES:
RECYCLED CONTENT: 80% Pre-Consumer
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

ACOUSTICAL PERFORMANCE
LOW-EMITTING MATERIALS:
Compliant With:
LEED v4: Low-Emitting Materials
CDHP/ California Section 01350
SCAQMD Rule 1168
CHPS- Acoustical Ceiling
OFFICES

MUSEUM OF NATURAL CURIOSITY - LEHI, UTAH | K-13 Custom Color Gray | 45,000 sf - 1.5" Thick

OPEN-PLAN DESIGN
RESTAURANTS

SPIN! NEapolitan Pizza - PRaIRIE VILLAGE, KS
SonaSpray "fc" Custom Color Red | 1,600 sf - 3/4" Thick

NORTH PLATTE HIGH SCHOOL - BAND ROOM & GYMNASIUM - NORTH PLATTE, NE
SonaSpray "fc" White | 31,000 sf - 1" Thick

EDUCATIONAL FACILITIES
ATHLETIC & EVENT CENTERS

BBVA COMPASS STADIUM - CONCOURSE & PRESIDENT’S CLUB - HOUSTON, TX
| Protek-13, K-13 Gray & Black | 2” Thick

MUSE AT THE MUSEUM DISTRICT - HOUSTON, TX | K-13 Gray | 132,000 sf - 1 1/2” Thick

PARKING
# ASTM C 423 Sound Absorption Testing

## K-13 Thermal & Acoustical Finish

### K-13 on Solid Backing

<table>
<thead>
<tr>
<th>INCHES</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1,000 Hz</th>
<th>2,000 Hz</th>
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### K-13 on 1.5" Metal Deck

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<th>NRC</th>
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## Sonaspray “FC” Acoustical Finish

### Sonaspray “FC” on Solid Backing

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<th>250 Hz</th>
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### Sonaspray “FC” on 1.5" Metal Deck

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## Sonakrete Acoustical Finish System

### Sonakrete on Solid Backing

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## Ure-K 15-Minute Thermal Barrier

### Ure-K over Closed-Cell Polyurethane Foam

<table>
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<th>INCHES</th>
<th>125 Hz</th>
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*Testing available upon request.*