

THERMAL & ACOUSTICAL SPRAY-APPLIED FINISHES



INTERNATIONAL CELLULOSE CORPORATION | (800) 444 1252

WWW.SPRAY-ON.COM

01 PRODUCT GUIDE

K-13

CSI 07 21 29
CSI 09 83 16

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 specially-matched custom 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

CSI 09 83 16

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 specially-matched custom 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"

CSI 09 83 16

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 four standard colors and specially-matched custom 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

CSI 07 21 29
CSI 09 83 16

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 specially-matched custom 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



02 TECHNICAL DATA

K-13

ASTM C 423: SOUND ABSORPTION (NRC)*

1" on Solid Backing	.80
2" on Solid Backing	1.00
3" on 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 INCH

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.*

*TESTING AVAILABLE UPON REQUEST.

SONASPRAY "FC"

ASTM C 423: SOUND ABSORPTION (NRC)*

.5" on Solid Backing	.65
1" on Solid Backing	.85
.75" on 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
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ASTM D 2244: LIGHT REFLECTANCE White: 84+

ASTM E 736: BOND STRENGTH >100 PSF

ASTM C 518: R-VALUE 3.6 PER INCH

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
Part 1 & 2, ASTM E 119, UBC 26-2.

03 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"

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RECYCLED CONTENT: 80% Pre-
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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 89+ 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:

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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

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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 per inch.

ACOUSTICAL PERFORMANCE

LOW-EMITTING MATERIALS:

Compliant With:

LEED v4: Low-Emitting Materials

CDHP/ California Section 01350

SCAQMD Rule 1168

CHPS- Acoustical Ceiling

OFFICES



HNK APELDOORN - APELDOORN, THE NETHERLANDS | K-13 Gray | 2" Thick



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



OPEN-PLAN DESIGN

REPURPOSE & ADAPTIVE REUSE



SVOE MNENIE BRANDING AGENCY - MOSCOW, RUSSIA | SonaSpray "fc" White | 3,880 sf - 3/4" Thick

TEMPLE OHABEI SHALOM - BROOKLINE, MA | SonaSpray "fc" Custom Colors | 21,000 sf - 1/2" Thick



WORSHIP

RESTAURANTS



SPIN! NEOPOLITAN 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

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
1"	.11	.32	.84	.99	1.01	.98	.80
1.75"	.30	.74	1.14	1.06	.99	.98	1.00
2"	.47	.90	1.06	1.06	1.08	1.07	1.00
3"	.57	.99	1.04	1.03	1.00	.98	1.00
4"	.84	1.06	1.01	1.03	1.00	.98	1.05
5"	.99	.89	1.05	1.03	1.00	1.00	1.00

K-13 ON 1.5" METAL DECK

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
1.5"	.36	.89	1.26	1.07	1.01	1.00	1.05
3"	.97	1.04	1.13	.99	.95	.98	1.05

K-13 ON 2" METAL DECK

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
1"	.39	.63	.96	.99	1.04	1.06	.90
2"	.55	.99	1.13	1.06	1.05	1.10	1.05

K-13 ON 3" METAL DECK

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
1.5"	.55	.92	1.11	1.02	.95	.99	1.00
2.75"	.69	.98	1.17	1.03	.97	1.04	1.05

SONASPRAY "FC" ACOUSTICAL FINISH

SONASPRAY "FC" ON SOLID BACKING

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
.5"	.00	.14	.49	.87	1.00	.99	.65
.75"	.10	.23	.70	.98	1.01	.96	.75
1"	.05	.40	.94	1.04	.97	.99	.85

SONASPRAY "FC" ON 1.5" METAL DECK

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
.75"	.17	.58	.91	.89	.87	.84	.80

SONAKRETE ACOUSTICAL FINISH SYSTEM

SONAKRETE ON SOLID BACKING

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
.25"	.01	.07	.39	.69	.83	.87	.50
.375"	.06	.11	.46	.77	.84	.89	.55
.5"	.01	.16	.49	.89	1.03	.97	.65
.75"	.25	.48	.81	.85	.85	.94	.75

URE-K 15-MINUTE THERMAL BARRIER

URE-K OVER CLOSED-CELL POLYURETHANE FOAM

INCHES	125 Hz	250 Hz	500 Hz	1,000 Hz	2,000 Hz	4,000 Hz	NRC
1.25"	.38	.57	1.00	1.07	1.06	1.07	.95

*TESTING AVAILABLE UPON REQUEST.

**CONTACT US
FOR MORE INFORMATION**



International Cellulose Corporation
800 444 1252
www.spray-on.com



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