



THERMAL & ACOUSTICAL SPRAY-APPLIED CEILING FINISHES



GYMNASIUMS & ATHLETIC FACILITIES

THERMAL & ACOUSTICAL SPRAY-APPLIED FINISHES

ATHLETIC FACILITIES

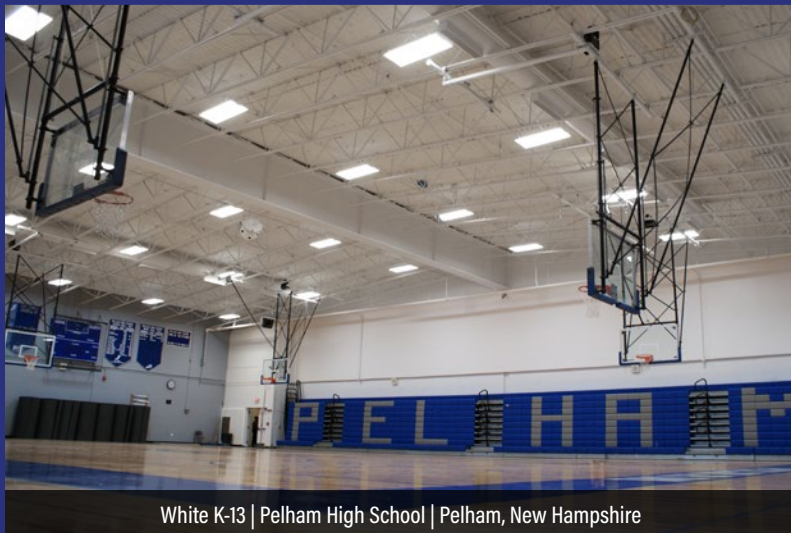
[VIEW PHOTO GALLERY](#)



Arctic White SonaSpray "fc" Dura-K | F.W. Holbein High School | Mount Holly, New Jersey



Light Gray K-13 | Fitness Athletic Club | Houston, Texas



White K-13 | Pelham High School | Pelham, New Hampshire

In spaces like gymnasiums, indoor swimming pools, arenas, and stadiums, the significance of acoustical design cannot be overstated. Effective control of reverberation time is crucial for maintaining both clear speech intelligibility and effective background noise control.

CLASS 1, CLASS A

International Cellulose Corporation manufactures Class 1, Class A Fire-Rated thermal and acoustical treatments in varying finishes to combat noise present in gymnasiums.

CUSTOM COLORS

K-13 is available in five standard colors, while SonaSpray "fc" comes in four standard colors. However, if your design calls for a specific color, simply provide us with your paint color and let us take it from there.

SUSTAINABLE

Additionally, our products are sustainable. We manufacture our finishes from 80% recycled material. K-13 and SonaSpray "fc" are Cradle to Cradle Certified® Bronze, may contribute toward LEED® Credits, and are UL GREENGUARD Gold certified.

EXPERIENCE

With over 60 years in the industry, the projects highlighted in this brochure are just a small example of the many types of projects that have benefited from the acoustical and thermal finishes offered by International Cellulose. No matter what your design requirements and budget constraints are, for new construction or renovation, our products can be customized to help you create the ideal space.



Arctic White SonaSpray "fc" | Windsor High School | Windsor, Colorado



Arctic White SonaSpray "fc" | Grace Evangelical Church | Germantown, Tennessee



Custom Color K-13 | First Lutheran Church | Sioux Falls, South Dakota

WHY ATHLETIC FACILITIES NEED ACOUSTICS

The importance of acoustical design in large buildings such as gymnasiums and fitness centers cannot be overemphasized. People of all ages from all walks of life are working out. But with all the free weights, plate loaded machines, basketballs, whistles, and cheering crowds the workout area or gymnasium can quickly become very noisy. If not addressed, excessive noise can disturb players, participants, instructors, and spectators, dramatically affecting the functionality of the athletic space.

Gymnasiums and fitness centers include many hard surfaces such as wood, metal, and concrete, which reflect sound. Unlike these hard surfaces, [K-13](#) and

[SonaSpray "fc"](#) absorb excessive noise to ensure an optimal acoustic environment. These Products are durable, damage-resistant, and can be tailored to meet acoustic, thermal, lighting, and design objectives for work-out areas.

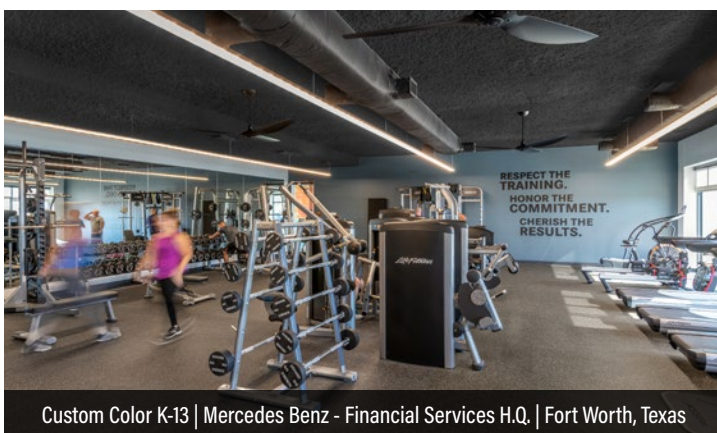
SOLUTIONS FOR ATHLETIC FACILITIES

K-13 and SonaSpray "fc" are high-performance, spray-applied acoustical finishes that are ideal for all types of athletic facilities. Areas with hard surfaces need these products to absorb excessive noise, especially hard-to-treat, high frequency sounds common in gymnasiums.

K-13 and SonaSpray "fc" adhere to common substrates such as metal decking, concrete, and gypsum, and provide a durable, damage-resistant surface. Ideal for both new construction and retrofit projects, these products come in standard and custom color options to complement any brand or design aesthetic.

READILY AVAILABLE

ICC's spray-applied thermal and acoustical materials are readily available for shipment to our network of licensed installers. Please contact us for details on how we can help your project be the best it can be!



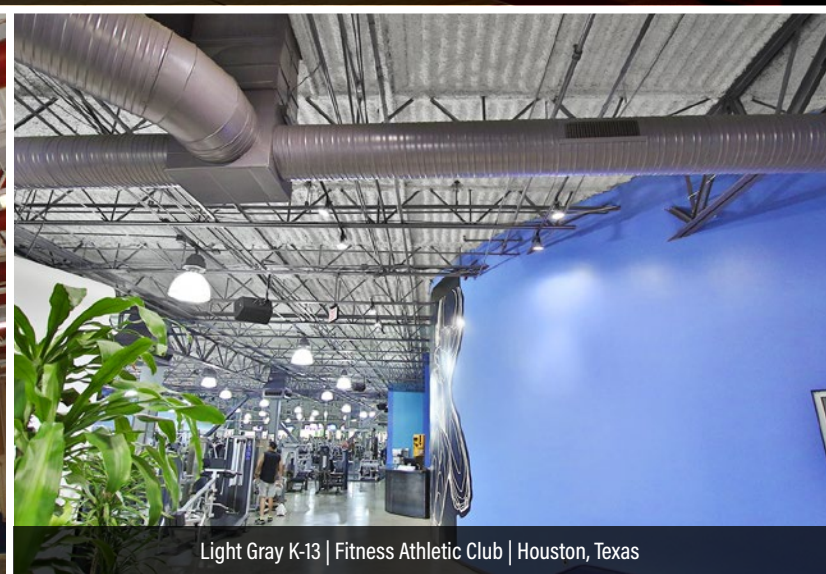
Custom Color K-13 | Mercedes Benz - Financial Services H.Q. | Fort Worth, Texas



Custom Color K-13 | Mercedes Benz - Financial Services H.Q. | Fort Worth, Texas



Arctic White SonaSpray "fc" | Barstow High School | Barstow, California

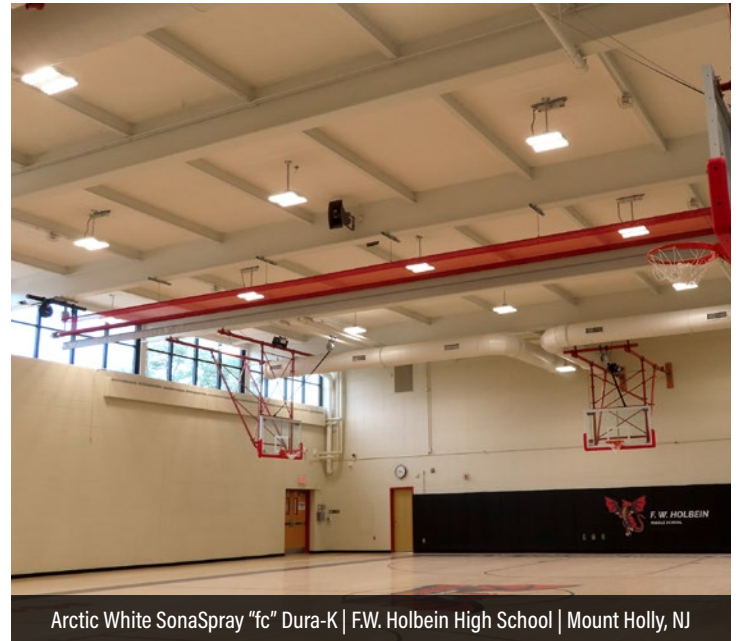


Light Gray K-13 | Fitness Athletic Club | Houston, Texas

K-13 & SONASPRAY "FC" TECHNICAL DATA

ASTM STANDARDS COMPLIANCE

ASTM C 518	Thermal Conductivity
ASTM E 84	Surface Burning Characteristics
ASTM C 423	Noise Reduction Coefficients
ASTM D 2244	Light Reflectance
ASTM E 736	Bond Strength K-13 is greater than 150 psf SonaSpray "fc" is greater than 600 psf
ASTM E 859	Air Erosion
ASTM C 739	Moisture Absorption
ASTM E 90	Sound Transmission Loss
ASTM E 1042	Acoustical Absorption
ASTM C 1149	Spray-Applied Cellulose Insulation



ACOUSTICAL PERFORMANCE

As tested by an NVLAP accredited acoustical laboratory per ASTM C-423, K-13 and SonaSpray "fc" provide an exceptionally high noise reduction coefficient (NRC). View our complete [NRC Chart](#) on our website at [spray-on.com](#).

K-13 APPLIED ON SOLID BACKING

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1"	.11	.32	.84	.99	1.01	.98	.80
1.5"	.21	.46	1.06	1.13	1.02	1.00	.90
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	0.98	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 APPLIED ON 1.5" METAL DECK

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 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

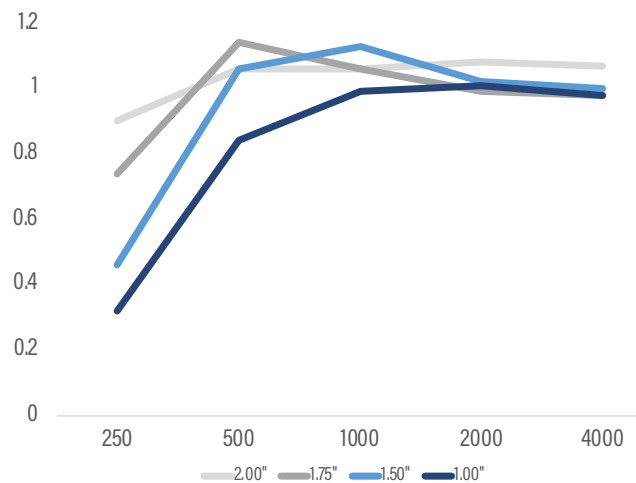
K-13 APPLIED ON 2" METAL DECK

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 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 APPLIED ON 3" METAL DECK

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1"	.50	.66	.97	1.02	1.05	1.03	.95
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

K-13 ON SOLID BACKING



SONASPRAY "FC" ON SOLID BACKING

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 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	1000 Hz	2000 Hz	4000 Hz	NRC
.75"	.17	.58	.91	.89	.87	.84	.80
1"	.22	.62	1.02	1.09	1.05	1.00	.95

SONASPRAY "FC" ON 3" METAL DECK

Inches	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
.5"	.51	.48	.80	.88	1.00	1.00	.80
.75"	.55	.55	.94	1.01	1.03	1.00	.90
1"	.63	.73	1.08	1.04	1.01	1.00	.95



CONTACT US FOR MORE INFORMATION

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