

K-13[®] Technical Data

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General Information

K-13 is a high performance acoustical, thermal and Class 1 UL rated insulation material. Spray applied, K-13 conforms easily to complex or irregular surfaces. Engineered for application to virtually any common construction substrate, K-13 forms a strong, durable and resilient bond. This insulation system is ideally suited for both new construction and renovation projects. It is available in white, beige, light gray, tan and black and custom matched colors providing an exceptional range of design options. Typical applications include gymnasiums, arenas, convention centers, indoor pools, detention facilities, parking garages, restaurants, night clubs, entertainment complexes, industrial facilities and recording studios. Additional product information on K-13 and other ICC products is available in Sweet's Catalog (07210/ICC). Product specifications and information are available on the internet @ www.spray-on.com or by contacting ICC.

Application

K-13 is installed by an international network of professional contractors licensed by ICC. These contractors are required to install K-13 using approved equipment, materials and procedures. Surfaces to receive K-13 are to be inspected prior to installation to determine if pre-treatment is required. 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.

Acoustical Performance

K-13 SPRAYED THERMAL AND ACOUSTICAL INSULATION APPLIED TO SOLID BACKING¹

THICKNESS ¹	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
0.63"	0.05	0.16	0.44	0.79	0.90	0.91	.55
0.75"	0.06	0.19	0.58	0.89	0.91	0.93	.65
1.00"	0.08	0.29	0.75	0.98	0.93	0.96	.75
1.25"	0.11	0.40	0.85	1.02	0.96	0.97	.80
1.50"	0.15	0.51	0.95	1.06	0.99	0.98	.90
1.75"	0.19	0.60	1.05	1.11	1.03	0.98	.95
2.00"	0.26	0.68	1.05	1.10	1.03	0.98	.95
2.25"	0.33	0.76	1.05	1.08	1.02	0.98	1.00
2.50"	0.41	0.84	1.05	1.07	1.02	0.99	1.00
2.75"	0.49	0.91	1.05	1.05	1.01	0.99	1.00
3.20"	0.57	0.99	1.04	1.03	1.00	1.00	1.00

K-13 SPRAYED THERMAL AND ACOUSTICAL INSULATION APPLIED TO 1.5" RIBBED METAL DECK¹

THICKNESS ¹	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
1.62"	0.36	0.89	1.26	1.07	1.01	1.00	1.05
2.00"	0.56	0.94	1.22	1.04	0.99	0.99	1.05
2.50"	0.77	0.99	1.17	1.02	0.97	0.99	1.05
3.06"	0.97	1.04	1.13	0.99	0.95	0.98	1.05

K-13 SPRAYED THERMAL AND ACOUSTICAL INSULATION APPLIED TO 2" FLUTED METAL DECK¹

THICKNESS ¹	125 HZ	250 HZ	500 HZ	1000 HZ	2000 HZ	4000 HZ	NRC
1.00"	0.39	0.63	0.94	0.99	1.04	1.06	.90
2.00"	0.55	0.99	1.13	1.06	1.05	1.10	1.05

¹Some values interpolated. Listed thicknesses are average.

