

ThermoCon

Sprayed Thermal and Acoustic Insulation

SUBMITTAL DATA

Fire rating: Flame Spread 5
Smoke Developed 0

Tested and listed by Underwriters Laboratories R9408

Thermal transmission Properties: K-factor 0.27 BTU/h/sq. ft./°F at 1 inch thickness
R-value 3.7 at 1 inch thickness

Heat Loss Characteristics

Construction Type	26 Gauge Corrugated Steel		Concrete Roof/Slab		Common Brick Wall	Common Block Wall
	Roof	Wall	2"	4"		
R-value w/o insulation	.78	.85	3	5.22	2.38	1.8
U-value with 1" Thermocon	.227	.224	.151	.113	1.66	1.84
U-value with 1-1/2" ThermoCon	.161	.159	.118	.094	.128	.138

ThermoCon Sound Absorption Coefficients

Inches	125 hz	250 hz	500 hz	1000 hz	2000 hz	4000 hz	NRC
0.50	0.04	0.15	0.40	0.73	0.80	0.82	0.50
1.00	0.10	0.29	0.70	0.98	1.01	0.98	0.75
1.50	0.19	0.51	0.88	1.06	1.08	1.00	0.90
2.00	0.33	0.64	0.98	1.10	1.12	1.00	0.95
2.50	0.51	0.84	0.98	1.07	1.11	1.01	1.00
3.00	0.59	0.99	1.03	1.02	1.02	1.01	1.00

Some values interpolated.

ThermoCon has been tested according to the following ASTM Standards.

ASTM C 1149	Self Supported Spray Applied Cellulosic Thermal / Acoustical Insulation, Type 1
ASTM C 518	Thermal Transmission Properties
ASTM E 84	Surface Burning Characteristics of Building Materials
ASTM E 859	Air Erosion of Sprayed Fire-Resistive Materials
ASTM E 605	Thickness and Density of Sprayed Fire-Resistive Materials
ASTM E 736	Cohesion / Adhesion of Sprayed Fire-Resistive Materials
ASTM E 759	Effect of Deflection of Sprayed Fire-Resistive Materials
ASTM E 119	Fire Test of Building Construction and Materials
ASTM E 423	Sound Absorption Coefficients
ASTM E 413	Classification for Rating Sound Insulation
ASTM C 523	Light Reflectance of Acoustical Materials
ASTM E 1042	Classification for Acoustically Absorbent Materials
ASTM E 761	Compressive Strength of Sprayed Fire-Resistive Materials

Compliances: HUD Use of Materials Bulletin 80 (UMB-80)
CPSC Safety Guidelines
Federal Specification SS-S-111C
California Bureau of Home Furnishing Standards CA-T-282 (LA)