

“SATAC” SYSTEM

COMMERICAL BUILDING INSULATION

TECHNICAL DATA SHEET

Description: The “SATAC” System is a spray applied thermal and acoustical insulation for application to virtually any construction surface. It consists of two unique product components: “SATAC” spray grade cellulose and Encotec commercial spray adhesive.

The material is spray applied in a continuous flow directly to the surface. The adhesive permanently bonds the insulation to the substrate forming a monolithic seal that virtually eliminates air infiltration. The applied cellulose creates a thermal sound barrier and helps control condensation.

Bidding Requirements: Contact the building manufacturer to determine the coating on the surface of metal buildings. It is important to consider corrugation patterns, purlins and beams, and other exposed areas that may require insulation. Please feel free to contact our Technical Sales Department for assistance when figuring a job.

Surface Preparation: The substrate (metal, concrete or wood) must be structurally sound, free of rust, leaks, peeling paints, defective coatings, or any other condition that may adversely affect proper bonding. Recent advancements in metal building coatings may adversely affect the bonding properties of the “SATAC” System to these surfaces.

Recommendation: All metal buildings manufactured after January 2001 **must** be spackled with Encotec Primer Sealer prior to spray applying the insulation to these surfaces.

Applied Thickness: The “SATAC” System may be spray applied in a single layer up to 3” using Encotec 10X Adhesive. A single layer of up to 4” may be applied using Encotec 52X Adhesive. Ceiling applications should not exceed a total thickness of 3” using Encotec 10X and 4” using Encotec 52X.

Adhesives Dilution Ratios (water to adhesive)

Ceiling Application

	1"	2"	3"	4"	Overcoat
Encotec 10X	6 to 1	5 to 1	4 to 1	n/a	2 to 1
Encotec 52X	8 to 1	7 to 1	5 to 1	4 to 1	2 to 1

Wall Application

	1"	2-4"
Encotec 10X	6 to 1	5 to 1
Encotec 52X	8 to 1	7 to 1

Coverage

“SATAC” Insulation (approximate coverage per 25 lb. Bag @ 1” applied thickness)

White – 100 BF Off-White – 100 BF Tan – 125 BF Oyster – 110 BF Gray – 115 BF

Encotec Adhesives (approximate coverage per drum @ 1” applied thickness)

4 to 1 – 4,000 BF 5 to 1 – 5,000 BF 6 to 1 – 6,000 BF 7 to 1 – 7,000 BF 8 to 1 – 8,000 BF

This information is accurate and reliable to the best of our knowledge and will vary with manufacturing and testing tolerances. We have no control over installation workmanship, accessory materials or application conditions, and make no representation or expressed or implied warranty, either as to merchantability or fitness, beyond the description herein.



FIBERLITE TECHNOLOGIES, INC.

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SUBMITTAL DATA

“SATAC” is a Class 1 Building Material. The following ASTM tests were conducted by R&D Services, Inc. in accordance with applicable ASTM Standards to complete the data required for ASTM C-1149, Standard Specification for Self-Supported Spray Applied Cellulosic Thermal Material Insulation, on “SATAC” Spray Applied Thermal Acoustical Cellulose Insulation.

ASTM C-739	Report: RD06438	Pass
ASTM C-518	Report: RD062001TR	3.7 R per inch
ASTM E-84	Report: 3086086-500	Flame Spread Index: 15 Smoke Development Index: 5
ASTM E-736	Report: RD052509CA	Pass
ASTM E-759	Report: 1315050817-1,2&3	Pass
ASTM E-859	Report: 061200	Pass
ASTM C-1149	Moisture Vapor	Pass
ASTM C-1149	Corrosiveness	Pass

Sound Absorption Coefficients:

125 hz:	0.09	1000 hz:	1.01
200 hz:	0.19	2000 hz:	1.00
250 hz:	0.23	4000 hz:	1.05
500 hz:	0.77	5000 hz:	1.09
800 hz:	0.99		

Noise Reduction Coefficient (NRC): 0.75 for 1 inch application on plasterboard

“SATAC” Spray Applied Thermal Acoustical Cellulose Insulation is formulated with permanent additives for fire resistance and prevention of fungal growth (mold and mildew). “SATAC” will not off-gas or emit harmful chemicals or odors.



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