

“SATAC” SYSTEM

COMMERICAL BUILDING INSULATION

TECHNICAL DATA SHEET

Description: The “SATAC” Spray-On System is a spray applied thermal and acoustical insulation for application to virtually any construction surface. It consists of two (2) 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, purline 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. Encotec Etcher/Cleaner is recommended to properly clean the surface of grease, oil, and any other particulate. Once dry, the Encotec Etcher/Cleaner should be completely rinsed off all surfaces. **Metal Building Primer:** Recent advance- ments 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 up to 1½” thickness of insulation in a single layer. Once completely cured, additional material may be applied to achieve the desired thickness. Applications in excess of three (3) inches (total thickness) are not recommended.

Adhesives (Water Dilution Ratio)

	<u>Application Thickness</u>			
	<u>Wall</u>		<u>Ceiling</u>	
	<u>1”</u>	<u>1 ½”</u>	<u>1”</u>	<u>1 ½”</u>
Encotec 10X	6 to 1	5 to 1	5 to 1	4 to 1
Encotec 52X	8 to 1	7 to 1	7 to 1	6 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.



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“SATAC”

SPRAY APPLIED THERMAL ACOUSTICAL CELLULOSE INSULATION

SUBMITTAL DATA

The following ASTM tests were conducted by R&D Services, Inc. in accordance with applicable ASTM Standards to complete the data required for ASTM C1149-02, Standard Specification for Self-Supported Spray Applied Cellulosic Thermal Material Insulation, on “SATAC” Spray Applied Thermal Acoustical Cellulose Insulation.

ASTM C739	Report: RD06438	Pass
ASTM C518	Report: RD062001TR	3.7 R per inch
ASTM E84-05	Report: 3086086-500	Flame Spread Index: 15 Smoke Development Index: 5
ASTM E736-00	Report: RD052509CA	Pass
ASTM E759-05	Report: 1315050817-1,2&3	Pass
ASTM E859-00	Report: 061200	Pass
ASTM C1149-02	Moisture Vapor	Pass
ASTM C1149-02	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 100% borate formulated for fire resistance and contains no additives that are harmful to our environment, humans or pets, and will not off-gas or emit harmful chemicals or odors.



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