

# ThermShield™ Cellulose Insulation

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## SPECIFICATIONS

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THERMSHIELD IS CLASSIFIED BY R & D SERVICES, INC. AND TESTED IN ACCORDANCE WITH  
ASTM SPEC. C739 TO MEET THESE VALUES.

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### FLAMMABILITY CHARACTERISTICS

CRITICAL RADIANT FLUX	GREATER THAN OR EQUAL TO 0.12W/CM <sup>2</sup>
SMOLDERING COMBUSTION	EQUAL TO OR LESS THAN 15.0%

### ENVIRONMENTAL CHARACTERISTICS

CORROSIVENESS	ACCEPTABLE
FUNGI RESISTANCE	ACCEPTABLE

### PHYSICAL CHARACTERISTICS

DENSITY (SETTLED-BCS)	1.50 lb/ft <sup>3</sup>
THERMAL RESISTIVITY (at 4 in.)	3.74 R/in.
MOISTURE VAPOR SORPTION	ACCEPTABLE
ODOR EMISSION	ACCEPTABLE

### FEATURES

THIS PRODUCT MEETS THE AMENDED CPSC STANDARD FOR FLAME RESISTANCE AND CORROSIVENESS OF CELLULOSE INSULATION. CPSC STANDARD HH-I-505E; 16CFR SECTION 1209 MEETS ASTM C739 APPROVED FOR USE BY: PA, OH, NY & NYC WEATHERIZATION AGENCIES  
NON-TOXIC AND NON-IRRITATING, VERMIN AND INSECT RESISTANT

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### VENTILATION

#### ATTIC

ROOF VENTS NO VAPOR BARRIER	1 SQ. FT. VENT AREA FOR EACH 150 SQ. FT. ATTIC
ROOF VENTS WITH VAPOR BARRIER	1 SQ. FT. VENT AREA FOR EACH 300 SQ. FT. ATTIC
50% ROOF & EAVE VENTS NO VAPOR BARRIER	1 SQ. FT. VENT AREA FOR EACH 300 SQ. FT. ATTIC

#### UNHEATED CRAWL SPACE

A GROUND SURFACE VAPOR BARRIER IS RECOMMENDED  
1 SQ. FT. VENT AREA FOR EACH 150 SQ. FT. CRAWL SPACE

#### WALL SPACE

A VAPOR BARRIER IS RECOMMENDED FOR WALLS AND CEILINGS IN BATHROOMS, KITCHENS AND LAUNDRIES. PLASTIC FILM OR A CONTIGUOUS COAT OF A VAPOR BARRIER FORMING PAINT CAN BE USED

### SOUND CONTROL

<u>WALL CONSTRUCTION</u>	<u>NO INSULATION</u>	<u>INSULATED w/ THERMSHIELD</u>
2X4 STUDDING, 5/8" DRYWALL	* STC 32	STC 44 (3.6")
2X4 STAGGERED STUDS w/ 6" PLATES, 5/8" DRYWALL	STC 42	STC 52 (5.6")
2X4 STAGGERED STUDS w/ 4" PLATES SEPARATED 1", 5/8" DRYWALL	STC 50	STC 58 (8.2")

\* NORMAL SPEECH CAN BE HEARD EASILY THROUGH STC 32, AT STC 44 IT WOULD BE FAINT, AT STC 50 IT COULD NOT BE HEARD.