

ThermShield All Borate Cellulose Insulation

SPECIFICATIONS

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

FLAMMABILITY CHARACTERISTICS

CRITICAL RADIANT FLUX GREATER THAN OR EQUAL TO 0.12W/CM²
SMOLDERING COMBUSTION EQUAL TO OR LESS THAN 15.0%

ENVIRONMENTAL CHARACTERISTICS

CORROSIVENESS ACCEPTABLE
FUNGI RESISTANCE ACCEPTABLE

PHYSICAL CHARACTERISTICS

DENSITY (SETTLED-BCS) 1.50 lb/ft³
THERMAL RESISTIVITY (at 4 in.) 3.75 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

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.