



**ENVIROGUARD FIRST CHOICE
CELLULOSE INSULATION
INCORPORATED WITH ZONE DEFENSE®
Technical Data Sheet**

ENVIROGUARD FIRST CHOICE Cellulose Insulation is specifically designed to be installed in attics and exterior walls to provide thermal protection from heat and cold temperatures. When labeled **“INSECTICIDE TREATED: ZONE DEFENSE,”** an insecticide registered with EPA for use in cellulose insulation has been incorporated in **ENVIROGUARD FIRST CHOICE Cellulose Insulation** to help to prevent damage to and infestation of the insulation by certain insect species. **ENVIROGUARD FIRST CHOICE Cellulose Insulation** should be applied with electro-mechanical equipment and in-line water injection nozzle for pneumatically blowing insulation with water-activated adhesive into attics and walls to achieve monolithic coverage.

- Complies with the following federal agencies regulations: U.S. Consumer Products Safety Commission (CPSC), U.S. Department of Housing and Urban Development (HUD), Federal Housing Administration (FHA), Veterans Administration (VA), and EPA Guideline for Procurement of Building Products Containing Recycled Materials, 40 CFR Part 24;
- Complies with the following ASTM Standards: E-84 (Surface Burning Characteristics of Building Materials), C-1149 (Standard Specification for Self-Supported Spray Applied Cellulosic Thermal Insulation), C-1497 (Specification for Cellulosic Fiber Stabilized Thermal Insulation), C-739 (Specification for Cellulosic Fiber Stabilized Thermal insulation when installed without water);
- Carries the UL label (Underwriter’s Laboratories);
- Treated with Zone Defense, an EPA registered insecticide, to help prevent damage to and infestation of the insulation by certain insect species, such as dry-wood and subterranean termites, millipedes, crickets, sow-bugs, earwigs, centipedes, cockroaches, carpenter ants, silverfish, and darkling beetles.
- Flammability:
 - Flame Spread -15
 - Smoke Developed-0
- Smolder Combustion:<15
- Carries Class 1 (A) fire rating
- Density
 - Walls (3.0 lbs p/ft³)
 - Attics (1.4 lbs p/ft³)
- Thermal Resistance (R-value = 3.6 p/inch)
- Corrosiveness (Passed)
- Fungi Resistance (Passed)
- Moisture Resistance (Passed)
- Odor Emission (Passed)
- Bond Strength (>2X weight)
- pH (6.8±.2)
- Noise Reduction Coefficient: NRC=.80
- Sound Transmission Coefficient with 1” thick insulation:
 - STC 54 single layer 5/8" gypsum wall board each side 3-5/8" inch metal studs 24" on centers
 - STC 56 single layer 5/8" gypsum wall board one side, 2 layers 5/8" on the other, 3-5/8" metal studs 24" on center
 - STC 58 double layer 5/8" gypsum wall board each side 3-5/8" metal studs 24" on centers