



# Dow® BLUEGARD™

## Termite Resistant Extruded Polystyrene Insulation

### Product Description:

#### **Dow™ BlueGuard™ Features:**

- High, Long-Term R-value & moisture resistance
- Contains Preventol® HS100 Insecticide
- High Compressive Strength, resists crushing upon backfilling
- Closed Cell Extruded Polystyrene Foam
- Non-Leaching prevents loss of active ingredients or soil contamination

BLUEGUARD™, Dow's latest innovation in insulation technologies for above and below grade installations is a termite-resistant extruded polystyrene foam insulation. The rigid BLUEGUARD™ board panels are specifically designed for insulating foundations in areas with termite activity while adding extra protection to the HouseGuard™ waterproofing membranes. BLUEGUARD™ insulation contains Preventol\* HS100 insecticide, which protects the foam from termites and other wood-destroying insects. The insecticide is integrally confined within the plastic of the foam matrix of the extruded polystyrene BLUEGUARD™ insulation during the manufacturing process, ensuring it remains intact for the life of the insulation, unlike others who use surface treatments. It will not wash off or leach away into soils or surrounding areas. STYROFOAM™ BLUEGUARD™ insulation is available in 1", 1-1/2" and 2" thicknesses with two edge profile options. Boards are available with square edges on all four sides or with ship-lap edges along the length of the board with square edges on the board ends.

### CODE COMPLIANCE:

Dow® BLUEGUARD™ brand insulation complies with the following codes:

- Meets ICC-ES acceptance criteria of ICC-ES EG-239 Evaluation Guide for Termite-Resistant Foam Plastic for use in very heavy termite infestation areas (ICC-ES NER-699 update in progress)
- IBC/IRC – International Building Code/International Residential Code, meets requirements for foam plastic insulation

### **Physical Properties**

<b>Property and Test Method</b>	<b>Value</b>
Thermal Resistance at 1°, ASTM C518 @ 75° mean temp, ft² •h•°F/Btu, R-value, min.	5.0
Compressive Strength, ASTM D1621, psi, min.	25
Water Absorption, ASTM C272, %by volume, max.	0.1
Water Absorption, ASTM E96, perm, max.	1.1
Dimensional Stability, ASTM D2126, % linear change, max.	2.0

