EnerSpan® insulation is rigid, closed cell graphite-enhanced insulation with a silver-gray color that meets or exceeds requirements for expanded polystyrene (EPS) insulation manufactured to ASTM C578 and CAN/ULC-S701. EnerSpan insulation is manufactured using Neopor® F5300 Plus, a graphite-enhanced expandable polystyrene (GPS) resin provided by BASF.

The graphite within the silver-gray cellular structure of EnerSpan insulation reduces radiation heat transfer and results in an enhanced thermal resistance compared to standard white EPS insulation manufactured to ASTM C578 and CAN/ULC-S701.

Intertek Code Compliance Research Report CCRR-1033 addresses EnerSpan insulation compliance with the following codes:
- 2012 International Energy Conservation Code® (IEEC)
- 2012 International Green Construction Code (IgCC).

CCRR-1033 addresses evaluation for the following specific requirements:
1. DuroSpan GPS insulation: EnerSpan insulation manufactured with laminated film adhered to the top and bottom surfaces (see Plasti-Fab PIB 354 for additional information).
2. Physical properties in accordance with:
   a. ASTM C578 Types I, VIII, II, II+ and IX.
   b. CAN/ULC-S701 Types 1, 2 and 3.
3. Surface-burning characteristics in accordance with:
   a. ASTM E84 (UL723)
   b. CAN/ULC-S102.2
4. Use of EnerSpan insulation ASTM C578 Types I, VIII, II, II+ and IX in attic and crawl applications where permitted by the IBC and IRC.
5. EnerSpan insulation enhanced thermal resistance values of R-4.7 per inch of thickness for all ASTM C578 types and RSI-0.82 per 25 mm of thickness for all CAN/ULC-S701 types.
6. IgCC material emissions requirements – see Plasti-Fab PIB 223 for additional information.

Intertek CCRR-1033 (5 pages) can be downloaded at www.plastifab.com/technical-library/tcs-plastifab.html for additional detail.

2 CAN/ULC-S701 - Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering.