



INSULATED COMPONENT STRUCTURES - ROCKY MOUNTAIN, Inc.

| CURRENT TESTS | TEST STANDARD | RESULTS |
|---|-----------------------|--|
| FOAM | | |
| Compressive Strength & Modulus | ASTM D-1624-00 | Strength 35 psi |
| Compressive Strength & Modulus | ASTM D-1624-00 | Modulus 790 psi |
| Density | ASTM D-1622-98 | 2.5 pcf |
| Dimensional Stability | ASTM D-2126-99 | Excellent |
| Flammability - Smoke Generation | ASTM E-84-01 | <400 |
| Flammability - Flame Spread | ASTM E-84-01 | <25 |
| Foam Core Fire Rating | *** Integrity | CLASS 1 |
| Linear Coefficient of Thermal Expansion | ASTM D-696-98 | -40°F to +240°F |
| Closed Cell Content by Air Pycnometer | ASTM D-2856-87 | >96% |
| Shear Strength and Modulus | ASTM C-273-61 (1988) | Strength 26 psi |
| Shear Strength and Modulus | ASTM C-273-61 (1988) | Modulus 325 psi |
| Resistance to Solvent | ASTM D-543-95 (2001) | Excellent |
| Resistance to Mold/Mildew | ASTM D-543-95 (2001) | Excellent |
| Thermal Conductivity | ASTM C-518-91 | K-factor 0.14(BTU-in/ft ² hr°F) |
| Thermal Conductivity | ASTM C-518-91 | R-Value 7.25 per inch |
| Tensile Strength and Modulus | ASTM D-1623-78 (1995) | Strength 16 psi |
| Tensile Strength and Modulus | ASTM D-1623-78 (1995) | Modulus 325 psi |
| Water Absorption | ASTM D-2842-01 | 2.40% |
| Vapor Permeability | ASTM D-2842-01 | 2 perm/in |

*** Polyurethane foam is a "thermo-set" plastic. Melting does NOT occur.

| CURRENT TESTS | TEST STANDARD | RESULTS |
|----------------------------|-------------------------|--------------------------------|
| Structural Panel*** | | Surfaces Max load (Avg) |
| Compression | ASTM E-72-98 section 9 | *OSB/OSB 50624 |
| Transverse | ASTM E-72-98 section 11 | *OSB/OSB 6734 |
| Racking | ASTM E-72-98 section 14 | *OSB/OSB 4897 |
| Compression | ASTM E-72-98 section 9 | **GALV/GALV 13366 |
| Transverse | ASTM E-72-98 section 11 | **GALV/GALV 4900 |
| Racking | ASTM E-72-98 section 14 | **GALV/GALV 6723 |

* 7/16" OSB both surfaces

** 24 GA Galvanized both surfaces

*** Panel Size = 4-1/2" X 48" X 96"