

DESCRIPTION

Atlas EnergyShield® CGF Pro is a high performance thermal insulation board composed of a closed cell polyisocyanurate foam core with patented coated glass-mat facers on both sides. One side is dark gray for use in open joint rainscreen applications.

APPLICATIONS

Provides continuous insulation for Type I-IV commercial construction.

- Exterior framed walls with wood or steel studs
- Exterior walls of masonry or concrete
- Exterior framed walls with or without sheathing
- Attics and crawlspaces without requiring a thermal barrier
- Air and water resistive barrier when installed accordingly

PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | VALUES |
|---------------------------------------|----------------------|----------------------------------|
| COMPRESSIVE STRENGTH | ASTM D1621 | 25 psi |
| FLAME SPREAD | ASTM E84 / UL 723 | ≤25 |
| SMOKE DEVELOPMENT | ASTM E84 / UL 723 | ≤450 |
| WATER VAPOR TRANSMISSION, METHOD A | ASTM E96 | 1.2 Perm at 1-inch |
| WATER ABSORPTION | ASTM C209/ASTM C1763 | <1% by Volume |
| FLEXURAL STRENGTH | ASTM C203 | 40 psi, min |
| DIMENSIONAL STABILITY, LENGTH & WIDTH | ASTM D2126 | ≤1% Linear Change |
| SERVICE TEMPERATURES | - | -100°F to +250°F |
| MOLD RESISTANCE | UL 2824 | 4, Highly Resistant |
| AIR PERMEANCE | ASTM E2178 | <0.02 L/s·m ² @ 75 Pa |

Technical and physical properties listed are representative of typical values based on testing and are intended as general guidelines only and subject to manufacturing tolerances. No warranties are given except for those specifically written by Atlas for its products.

SUSTAINABILITY

Atlas polyiso insulation is manufactured using environmentally responsible processes and formulations.

- Contains no CFCs, HCFCs or HFCs
- Zero Ozone Depletion Potential (ODP)
- Negligible Global Warming Potential (GWP)
- GREENGUARD Gold Certification
- Contributes to LEED credits

For more information visit

wall.atlasrwi.com/about-wall/sustainability

ADVANTAGES

EnergyShield CGF Pro provides multi-functional protection by addressing the necessary control layers to create a high performing wall assembly and provides installation efficiency.



THEMAL



WATER



AIR



VAPOR

CODE COMPLIANCE

- **ASTM C1289, Type II, Class 2**
- **ASHRAE 90.1**
- **ASHRAE 189.1**
- **International Energy Conservation Code (IECC), Section 402**
- **International Green Construction Code (IgCC)**
- **International Building Code (IBC), Section 2603**
- **International Residential Code (IRC), Section R316**
- **California Thermal Insulation Directory, T 1231**
- **ASTM E2178** Air Barrier Material
- **ASTM E2357** Air Barrier Assembly
- **ASTM E331** Water Penetration
- **ICC-ES** Water-Resistive Barrier
- **DrJ TER 2202-01** Weather Resistive
- **ICC-ES ESR-1375**
- **ICC-ES AC12**, Appendix B
- **DrJ TER 1306-03** Fire Performance
- **ASTM E84 / UL 723, Class A**
- **NFPA 285** Compliant within numerous wall assemblies
- **ANSI/UL 263 / ASTM E119**; 1, 2, 3 or 4 hour Fire Rated Assemblies as listed in the UL Product iQ™

PRODUCT DATA

| NOMINAL THICKNESS | R-VALUE * | RSI | RECYCLED CONTENT | PIECES PER PACKAGE | SQ. FT. PER PACKAGE |
|-------------------|-----------|------|------------------|--------------------|---------------------|
| 0.5" | 3.0 | 0.53 | 4.6% | 86 | 2,752 |
| 1.0" | 6.0 | 1.06 | 7.0% | 45 | 1,440 |
| 1.5" | 9.0 | 1.58 | 8.4% | 30 | 960 |
| 2.0" | 12.1 | 2.13 | 9.4% | 22 | 704 |
| 2.5" | 15.3 | 2.69 | 10.1% | 18 | 576 |
| 3.0" | 18.5 | 3.26 | 10.6% | 15 | 480 |
| 3.5" | 21.7 | 3.82 | 11.1% | 13 | 416 |
| 4.0" | 25.0 | 4.40 | 11.4% | 11 | 352 |

*Thermal values were determined by ASTM C518 Test Method at 75°F mean temperature using materials conditioned in accordance with ASTM C1289.
 *R" means resistance to heat flow. The higher the R-value, the greater the insulating power.
 Additional sizes available upon request. EnergyShield CGF Pro is shipped on standard 48' truck with 24 packages per load. Truckload quantities may vary when mixed.

FOR A COMPLETE LIST OF PRODUCT SIZES, SCAN OR CLICK QR CODE TO DOWNLOAD THE PACKAGE & LOADING GUIDE



PRECAUTIONS

- Polyiso may contribute to flames and smoke spread when exposed to an ignition source of sufficient heat and intensity.
- Refer to local building codes for proper selection and placement of weather resistant barriers in a wall assembly for optimal air, moisture, and vapor control.
- EnergyShield CGF Pro is not a structural product; follow local building code requirements.

WARRANTY

EnergyShield CGF Pro is backed by a Limited 15-Year Thermal Warranty.
 For complete terms and conditions, visit wall.atlasrwi.com/warranty

HANDLING

- While EnergyShield CGF Pro is a water resistant product, products shall be kept dry while being stored. Reference EnergyShield CGF Pro placard for storage and handling instructions.
- EnergyShield CGF Pro should be covered with exterior cladding within 180 days of installation.



Atlas Roofing Corporation
 2000 Riveredge Parkway, Suite 800 • Atlanta, GA • 30328
 770-952-1442 • wall.atlasrwi.com

