



COMcheck Software Version 4.0.5.2

# Envelope Compliance Certificate

## Section 1: Project Information

Energy Code: **2009 IECC**  
 Project Title: Purestat Extrusions, LLC (Tenant)  
 Project Type: New Construction

Construction Site:  
 75 Walch Drive  
 Portland, ME 04103

Owner/Agent:  
 Patrick Keeley  
 Moongate Properties, LLC  
 25 Sturdivant Drive  
 Portland, ME 040103

Designer/Contractor:  
 Biskup Construction, Inc.  
 16 Danielle Drive  
 Windham, ME 04062  
 207-892-9800

Building Location (for weather data): Portland, Maine  
 Climate Zone: 6a  
 Vertical Glazing / Wall Area Pct.: 2%

Building Use: Activity Type(s)	Floor Area
1-Manufacturing Facility : Nonresidential	9256
2-Office : Nonresidential	1669

## Section 2: Envelope Assemblies and Requirements Checklist

**Envelope PASSES: Design 2% better than code.**

### Envelope Assemblies:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(e)
Roof (Standing Seam): Other Metal Building Roof, [Bldg. Use 1 - Manufacturing Facility] (b) Comments: Liner System R-11 + R-19 Ashrae Table A2.3	10925	---	---	0.040	0.049
Concrete Block Wall: Concrete Block:8", Partially Grouted, Cells Empty, Normal Density, Furring: Wood, [Bldg. Use 2 - Office]	187	11.0	0.0	0.090	0.080
Alum. Entrance: Glass (> 50% glazing): Metal Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.70, [Bldg. Use 2 - Office]	15	---	---	0.800	0.800
Metal Bldg. Walls: Other Metal Building Wall, [Bldg. Use 2 - Office] (b) Comments: 6" R-19 MBI, Ashrae Table A3.2	706	---	---	0.084	0.069
Window 1: Vinyl/Fiberglass Frame, Perf. Specs.: Product ID Marvin Integrity, SHGC 0.33, [Bldg. Use 2 - Office] (c)	80	---	---	0.310	0.350
Alum. Entrance: Glass (> 50% glazing): Metal Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.70, [Bldg. Use 2 - Office]	26	---	---	0.800	0.800
Concrete Kicker Wall: Solid Concrete: 8" Thickness, Normal Density, Furring: Wood, [Bldg. Use 2 - Office]	48	11.0	0.0	0.094	0.080
Concrete Block Wall: Concrete Block: 8", Partially Grouted, Cells Empty, Normal Density, Furring: None, [Bldg. Use 1 - Manufacturing Facility]	119	---	5.0	0.138	0.080
Metal Bldg. Walls: Other Metal Building Wall, [Bldg. Use 1 - Manufacturing Facility] (b) Comments: 6" R-19 MBI, Ashrae Table A3.2	6955	---	---	0.084	0.069
Window 2: Vinyl/Fiberglass Frame, Perf. Specs.: Product ID Marvin Integrity, SHGC 0.33, [Bldg. Use 1 - Manufacturing Facility] (c)	48	---	---	0.310	0.350
Overhead doors: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Manufacturing Facility] Comments: Clopay Model 3717	56	---	---	0.066	0.500

