

# McGrory Glass, Inc.

## Omega-Lite<sup>®</sup> Technical Data

### American Architectural Manufacturers Association (AAMA)

- AAMA 605.2-92 Voluntary Specification for High Performance Organic Coatings on Architectural Extrusions and Panels
- AAMA TIR-ALL-96 Maximum Allowable Deflection of Framing Systems for Building Cladding Components at Design Wind Loads

### American Society for Testing & Materials (ASTM)

- ASTM B209-96 Aluminum and Aluminum-Alloy Sheet and Plate
- ASTM C481-94a Laboratory Aging of Sandwich Constructions
- ASTM E84-96a Surface Burning Characteristics of Building Materials
- ASTM E330 Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference

**Load:** 120 lb/ft<sup>2</sup>, 24" span AAMA L/175 limit

**Wind Load Rating:** Based on ASTM E330 static load: 250 mph, 2 ft (0.6 m) O.C., Architectural testing labs, TR#545

**Thickness:** 5mm or 10mm plastic, add thickness of metal

**Width:** 48" (also 60" in Regal Bronze, Polar White, Classic Beige, Bone White, Sandstone, Concord Cream, Silver Metallic, and Champagne Metallic)

**Length:** 72", 96", 120", or 144"

**Weight:** 1.00 lb/sq.ft.

**Tolerances:** Length and Width:  $\pm 1/16"$ , Squareness: Diagonals equal within  $1/8"$ , Thickness:  $\pm 0.016"$

**Construction:** 6mm, Omega-Lite 20, 0.032"/0.010"

**R-Value:** 1.25 hr ft<sup>2</sup> °F/Btu

**Stability:**  $1.94 \times 10^{-5}$  in./in. °F, 0.0007 in./ft. at 50 to 90% RH

**Stiffness:**  $6.44 \times 10^{-4}$  psi/ft - width (EI)

**Fire Rating:** Based on ASTM E84: Class A, under 25 Flame Spread

**Bond Test:** Based on ASTM C481-A Cyclic Aging bond test: Pass