

Glen-Gery Thin Brick specifically manufactured for precast wall panels meet or exceed the Precast/Prestressed Concrete Institute specifications in the Architectural Precast Handbook 3rd edition as shown below. Test results are available upon request.

Thickness: Not less than  $\frac{1}{2}$  inch (13mm) nor more than 1 inch (25mm) thick

**Glen-Gery Thin Brick are  $\frac{3}{4}$ " thick (+/- $\frac{1}{8}$ " ), 1" —  $1\frac{3}{4}$ " thickness available with ribbed back**

Dimensional Tolerance Requirements:

Plus 0 inches, minus  $\frac{1}{16}$  inch for < 8 inches and

Plus 0 inches, minus  $\frac{3}{32}$  inch for > 8 inches (measured per ASTM C67)

**Glen-Gery Thin Brick: +/- $\frac{1}{16}$ " within the lot for 8" (7- $\frac{5}{8}$ ") units, +/-  $\frac{7}{32}$  for 12" (11- $\frac{5}{8}$ ") units**

**Ground edge available when required to ensure: PCI tolerances for the lot manufactured**

Special Shapes: Variation of Shape from Specified Angle: Plus or minus 1 degree.

**Glen-Gery Thin Brick: +/- 1 degree variation**

24 hr Cold Water Absorption:

Maximum 6 percent (tested per C67)

**Glen-Gery Thin Brick absorptions average below 6%**

Efflorescence: Rated "not effloresced." (tested per C67)

**Glen-Gery Thin Brick: rated "not effloresced"**

Out of Square: Plus or minus  $\frac{1}{16}$  inch (measured per C67)

**Glen-Gery Thin Brick: +/-  $\frac{1}{16}$ "**

Warpage: Not more than  $\frac{1}{16}$  in. concave or convex from a consistent plane (measured per C67)

**Glen-Gery Thin Brick: +/-  $\frac{1}{16}$ " — tighter tolerances available for specific brick**

Tensile Bond Strength:

Not less than 150 psi (1.0 MPa) (tested per modified ASTM E488)

**Glen-Gery Thin Brick: Testing indicates bond strength well above requirements**

**(>250 psi average) for units with flat back (cut face)**

Freeze-Thaw Resistance:

No detectable deterioration (spalling, cracking, or chafing)

(tested per ASTM C666 Method B modified to withstand 300 cycles)

**Glen-Gery Thin Brick: Testing indicates bond strengths well above requirement after 300 cycles**

**(>250 psi average) for cut (flat back) units with no 'detectable deterioration'**

Modulus of Rupture:

Not less than 250 psi (1.7 MPa) (tested per ASTM C67)

**Glen-Gery Thin Brick: MOR greater than 500 psi**

Chemical Resistance:

Rated "not affected" when tested with a 10% hydrochloric acid solution (tested per ASTM C650)

**Glen-Gery Thin Brick: "not affected"**

Surface Coloring:

Brick with surface coloring shall withstand 50 cycles of freezing and thawing per ASTM C67 with no observable difference in applied finish when viewed from 10 feet (3m).

**Glen-Gery Thin Brick: no difference after 50 cycles**

Back Surface Texture:

[Scored], [Combed], [Wire roughened], [Ribbed], [Keybacked], [Dovetailed]

**Glen-Gery Thin Brick —  $\frac{3}{4}$ " back surface texture will be smooth.**

**Ribbed surface available with >  $\frac{3}{4}$ " thickness**