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 $\frac{3}{4}$ inch (13mm) nor more than 1 inch (25mm) thick

Glen-Gery Thin Brick are 3/4" thick (+/- 1/8"), 1" — 1-3/4" thickness available with ribbed back

**Dimensional Tolerance Requirements:**

- Plus 0 inches, minus 1/16 inch for < 8 inches and
- Plus 0 inches, minus 3/32 inch for > 8 inches (measured per ASTM C67)

Glen-Gery Thin Brick: +/- 1/16" within the lot for 8" (7-5/8") units, +/- 7/32 for 12"(11-5/8") 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 1/16 inch (measured per C67)

Glen-Gery Thin Brick: +/- 1/16"

**Warpage:** Not more than 1/16 in. concave or convex from a consistent plane (measured per C67)

Glen-Gery Thin Brick: +/- 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 — 3/4" back surface texture will be smooth.
- Ribbed surface available with > 3/4" thickness

January 2017