



# Test Results

Specification	Test	Standard	Royal Brick
Efflorescence	ASTM C-67	None	None
Chipping	ASTM C-1088	Max. 3%	<2%
Size	ASTM C-1088	Max. 1%	Meets the Standard
Warpage	ASTM C-1088	Max. .5%	Meets the Standard
Modulus of Rupture	ASTM C-67	250 lbs./sq.in.	>500 lbs./sq.in.
Compressive Strength	ASTM C-67	No Standard	10,000 lbs./sq.in
Absorption	ASTM C-67	Max. 5%	<3%
Saturation Coefficient	ASTM C-1088	<8% - Waived	<3% - N/A
Freeze-Thaw	ASTM C-67	Min. 50 Cycles	Passed 3,000 Cycles
Freeze-Thaw Brick in Concrete	ASTM C-666 Procedure B	150 PSI or Greater	Passed 300 cycles Meets the Standard
Shear Bond Strength to Portland Cement	ASTM C-482	Min. 50 psi	>150 psi
Chemical Resistance	ASTM C-650	Not Affected	Not Affected

Ironrock’s Thin Brick “Royal Thin Brick” shall be of standard grade quality and shall exceed all of the requirements of ASTM (American Society for Testing and Materials) C-1088, the standard specifications for thin veneer brick units made from clay or shale. The ASTM C-1088 standard specifications also require the ASTM C-67 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile as shown above.