



## TEST RESULTS

Ironrock's Thin Brick METROBRICK® 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 below:

| SPECIFICATION                             | TEST   | STANDARD              | METROBRICK  |
|---|--|-----------------------|---|
| 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%<br>(except for 100 Alabaster which is 5%)       |
| Saturation Coefficient                    | ASTM C-1088  | <8% - Waived          | <3% - N/A<br>(except for 100 Alabaster which is 5%) |
| Freeze-Thaw                               | ASTM C-67  | Min. 50 Cycles        | Passed 3,000 Cycles                                 |
| Freeze-Thaw<br>Brick in Concrete          | ASTM C-666 Procedure B<br>(as modified per PCI specification<br>published April, 2007) | 150 PSI or<br>Greater | Passed 300 cycles<br>Meets the Standard             |
| Shear Bond Strength<br>to Portland Cement | ASTM C-482   | Min. 50 psi           | >150 psi  |
| Chemical Resistance                       | ASTM C-650   | Not Affected          | Not Affected  |

“METROBRICK” will exceed ASTM C-1088 (Type TBX Select) requirements for exterior grade.

“METROBRICK” will exceed the applicable ANSI (American National Standards Institute) requirements.