

Specification for ATLAS™ Hollow Brick

Part I Quality Assurance Brick Tests

1. All tests shall be performed by an independent certified testing laboratory.
2. All tests shall be in accordance with ASTM C-67 latest edition.

Submittals

1. Submit test report and certificate of conformance document for each type and color of brick specified on contract documents for architect's approval.
2. Test reports shall include:
 - a. Compressive strength
 - b. 24 hour cold water absorption
 - c. 5 hour boil absorption
 - d. Saturation Coefficient
 - e. Initial Rate of Absorption (I.R.A.)
 - f. Efflorescence
 - g. Weather classification
3. Certificate of conformance shall state that brick meets or exceeds applicable ASTM specifications indicated herein.

Sample Panels

1. Sample panel size shall be 4'x4' showing the proposed color range, texture, bond, mortar, workmanship, cleaning, and water repellents where applicable.
2. Final brick selection shall be made only following architect's review of sample panel.
3. Brick from manufactured material for project shall be shipped to site and sample panel erected.
4. No brick shall be shipped from manufacturer to site until architect's acceptance of job panel which has been erected from actual material for project. This panel shall replace the sample panel and shall remain on site throughout construction, and become the project standard for bond, mortar, workmanship, and appearance.

Part II Products Hollow Brick

1. All brick shown on contract documents shall be *color, texture* as manufactured by **Interstate Brick**, 9780 S. 5200 W., West Jordan, Utah 84088-5689, or **H.C. Muddox**, 4875 Bradshaw Road, Sacramento, CA 95827-9793.
2. ASTM C-652 latest edition, Grade SW, Type *HBS* or better.
3. Dimensions *width x height x length*.

4. Minimum compressive strength *9,000 psi*.
5. Maximum Saturation Coefficient *0.78*.
6. Minimum *IRA 6 g/30 sq. in.*
7. Maximum *IRA 30 g/30 sq. in.* Where *IRA* exceeds 30 g/30 sq. in., pre-wetting brick is recommended.
8. Shapes; where special shapes are shown on architectural drawings, manufacturer shall provide shop drawings for architect's approval prior to manufacturing shapes.

Mortar

Mortar shall be Type S consisting by proportion:

- 1 part portland cement** (ASTM C-150 Type I or II, Low Alkali),
less than 6 months old
1/2 part hydrated lime (ASTM C-207)
4-1/2 parts sand (ASTM C-144)

Grout

Grout shall be by proportion:

- 1 part portland cement** (ASTM C-150, Type I or II, Low Alkali),
less than 6 months old
3 parts sand (ASTM C-404)
2 parts pea gravel (ASTM C-404) Pea gravel may be omitted for fine grout mix.

Part III Execution Bond

Bond shall be *running bond* unless otherwise shown on contract documents.

Jointing

Mortar joints shall be *concave* unless otherwise shown on contract documents.

Construction

All construction strictly adheres to *Uniform Building Code, International Building Code or ACI 530*.

Cleaning

Cleaning shall conform to Technical Bulletin 4: Section 4200, Brick Cleaning Recommendations and to *BIA Technical Note #20-R*. Contact manufacturer for recommendations.

Water Repellent & Coatings

Where water repellents are required, consult *Technical Bulletin 1: Section 7100, Water Repellent Coatings*.



**H.C. MUDDOX
INTERSTATE® BRICK**
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Nothing Else Stacks Up