

ROBINSON BRICK



A Division of General Shale Brick

Specifying Brick

Robinson Brick, a division of General Shale Brick, produces FBX brick to enhance the appearance and quality of finished walls. Type FBX allows for:

High Quality Appearance

- Accurate bonding patterns
- Improved head joint alignment
- Cleaner details
- Reduced size variation
- Reduced chipping
- Reduced cracks
- Reduced warping

Cost Savings

- Faster construction
- Lower labor costs
- Less material needed
- Increased customer satisfaction
- Reduced job site problems
- Manufacturer culls and sorts
- Consistent quality

PART I: QUALITY ASSURANCE

Brick Tests

1. All tests shall be in accordance with ASTM C-67 latest edition

Submittals

1. 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.)
2. Certificate of conformance shall state that brick meets or exceeds ASTM specifications contained herein.

Sample Panels

1. Sample panel size shall be a 13" x 13½" sample board affixed with 6 face-cut slabs of brick showing the proposed color range and texture.

PART II: PRODUCTS

Facing Bricks

1. All brick shown on contract documents shall be color and texture as manufactured by Robinson Brick, 1845 West Dartmouth Avenue, Denver, CO 80110.
2. ASTM C-216 latest edition, Grade SW, Type FBX
3. Dimensions: Modular Brick 3-5/8" (92mm) x 2-1/4" (57mm) x 7-5/8" (194mm)
 Nominal Brick 4" (102mm) x 2-2/3" (68mm) x 8" (203mm)
4. Minimum compressive strength: 5,000psi (57.3MPa)

ASTM and FBX

How do you know when you are getting the best quality brick? Check the standard to which the brick is manufactured. Robinson Brick's standards meet ASTM C216-97, which is the standard specification for facing brick. But we go further than that. All of our brick is produced to Grade SW (Severe Weathering), which guarantees a stronger, more durable brick that lasts longer and requires less maintenance than its lower grade counterpart, Grade MW (Moderate Weathering). Robinson Brick also produces only Type FBX brick, which maintains strict requirements on waste, chips, cracks and warpage.

ASTM C216

The American Society for Testing and Materials (ASTM) is the world's leader in the development of voluntary consensus standards for material, products, systems, and services. ASTM C216 is the standard specification for Facing Brick.




Grades of ASTM C216

There are two grades for this standard specification: Severe Weather (SW) and Moderate Weather (MW). The Weathering Index by which these grades are defined is based on the product of the average annual number of freezing cycle days and the average annual winter rainfall in inches. Robinson Brick produces Grade SW Brick.



The Grade SW Advantage

Because Grade SW brick are stronger and more durable, they last longer and require less maintenance than Grade MW. In addition, Grade SW has the advantage of lower absorption, which generally translates to construction cost savings.

-  Negligible weathering
-  Moderate Weathering
-  Severe Weathering

FBX Advantage

Robinson Brick produces FBX brick to enhance the appearance and quality of finished walls. Since we do the culling, type FBX can save on construction costs. The FBX advantage means that brick is generally more vitrified, has greater weather resistance and lower absorption rates, is more durable, and has higher compressive strength than lower-grade brick. Clearly, FBX is superior to its counterpart, FBS:

FBX Allows	< Considerations >	FBS Allows
Up to 10% - including excess chippage	Waste	Up to 20% - including excess chippage
1/8" (3.2mm) edge, 1/4" (6.4mm) corner	Chips	5/16" (7.9mm) edge, 1/2" (12.7mm) corner
None seen from 15 feet (4.6m) away	Cracks	None seen from 20 feet (6.1m) away
5/16" (7.9mm) from each other	Size Variation	1/2" (12.7mm) from each other
1/16" (1.6mm) for under 8" (203mm) dimension	Warpage	3/32" (2.4mm) for under 8" (203mm) dimension

FBX Allows		FBS Allows
1/8" (3.2mm) edge; 1/4" (6.4mm) corner	Chips	5/16" (7.9mm) edge 1/2" (12.7mm) corner
1/16" (1.6mm) for under 8" (203mm) dimension	Distortion	3/32" (2.4mm) for under 8" (203mm) dimension
5/16" (7.9mm) from each other	Length Variation	1/2" (12.7mm) from each other