



## Acid Resistant Bricks

### DESCRIPTION:

Acid brick or acid resistant brick is a specially made form of masonry brick that is chemically resistant and thermally durable.

Acid brick is created from high silica shale such as clay of suitable composition with low lime and iron content, feldspar, flint or sand and fired at higher temperatures ceramic kilns. Some manufacturers create the brick by baking it for over a week. They are available in different thickness i.e. 25MM, 38MM, 75MM and 115MM.

### HOW IT IS USED

Bricks are normally installed with chemical resistant mortars as per the operational requirement or specified.

### USES

Acid Resistant Bricks are recommended with specified mortar for almost all the acid/chemicals except Hydrofluoric Acid and Strong Alkalis.

### PHYSICAL PROPERTIES AS 4860-1968

Test	Values
Water Absorption	Maximum – 2%
Flexural Strength (Kgf/sq.cm)	Min. 100Kg./CM <sup>2</sup>
Compressive Strength	Min. 700Kg./CM <sup>2</sup>
Resistance to Wear (mm)	Average wear shall not exceed 2mm
Resistance to Acid (%)	Loss in weight shall not exceed 1.5%
Warpage Test	Should not exceed 2.5MM insertion
Density	2.30 to 2.40

### Visual

Length	230MM (or as specified) +/- 3.5MM (
Width	114MM (or as specified +/- 2.0MM
Thickness	Th +/- 1.00MM
Shape/Size and Finish	Sample test (as per Table 2 of IS)

**Crescent PPG Lining Pvt. Ltd.**, , F-1 Shivani Complex, HBD Road Bhopal,  
M. P. 462026, , 0755-2418976, <http://www.crescentltd.in>; CIN U74900MP2010PTC024091  
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