



## AR Bricks

## Technical Information

- ❖ Acid/Alkali resistant Clay Bricks for protection against all types of Acid/Alkalis.

### Description:

- ❖ Acid Resistant bricks are special form of masonry bricks which are chemically resistant and thermally durable. These are used for masonry construction and flooring which is prone to chemical attack such as towers in chemical plant. These bricks are made of raw material like clay or shale of suitable composition with low lime and iron content, feldspar, flint or sand and vitrified at high temperature.
- ❖ Acid/Alkali Resistant bricks are extremely durable and having low porosity to ensure that no chemical permeates through and protects the applied surface for a long time.

### Base:

- ❖ Clay

### Material Group:

- ❖ Brick Lining

### Properties:

- ❖ Excellent Protection against almost all Acid and Alkali attacks
- ❖ Extremely Durable
- ❖ Long life of Operation

### Physical Data as Per IS: 4860:

Property	Value
1. Water absorption %	1 <sup>st</sup> Class
2. Flexural Strength kg/cm <sup>2</sup>	0.5 to 1
3. Compression Strength kg/cm <sup>2</sup>	>110
4. Acid Loss %	>745
5. Resistance to wear mm.	0.5 to 1
6. Warpage in mm.	1 to 1.5
7. Tolerances :	3.5
(a) Length ± in mm.	2.0
(b) Breadth ± in mm.	1.0
(c) Thickness ± in mm.	



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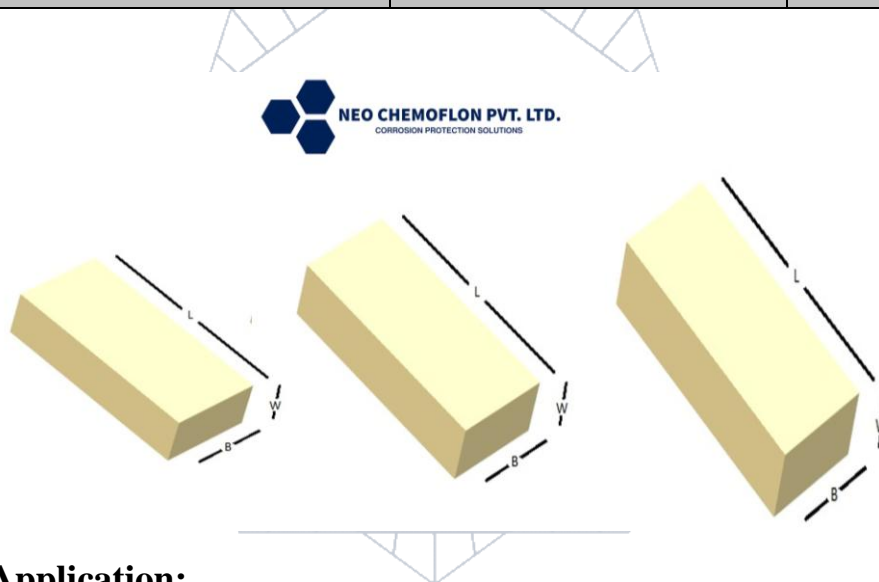
CORROSION PROTECTION SOLUTIONS

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Acid/Alkali Resistant bricks are normally installed with chemical resistant mortars. They are available in different sizes and shapes, bedded and jointed with acid proof cements. The cements used are depending on the chemical condition and temperature up to its specific limitations.

### Sizes

Item Type	Size	Packing
AR Brick 38	230 x 115 x 38 mm	Loose
AR Brick 65	230 x 115 x 65 mm	Loose
AR Brick 75	230 x 115 x 75 mm	Loose



### Major Areas of Application:

- ❖ Chemical Plants
- ❖ Dairy food and beverages
- ❖ Iron & Steel Plants
- ❖ Petrochemical Plants
- ❖ Oil & Gas Refineries
- ❖ Pulp & paper Industries
- ❖ Thermal Power plants
- ❖ Battery Manufacturing Unit
- ❖ Automobile & Ancillary Unit

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