



**Khodiyar Ceramics (I) Pvt. Ltd.**



## **ACID/CHEMICAL/CORROSION RESISTANT Brick:**



- Khodiyar<sup>®</sup> ceramics I pvt ltd, with 20 years of mfg expertise can make customised sizes as per clients requirement. Please find table for sizes and shapes we have made so far.
- Khodiyar<sup>®</sup> Acid brick complies with ASTM-279-XX (type-III), DIN EN 993-16, and IS 4860 (class I) for use where minimum Absorption & Maximum acid resistance are required.

## 2 | Acid Resistant Brick:

### Specification of Acid/Chemical/Corrosion Resistant Bricks:

Chemical analysis:			
	Al <sub>2</sub> O <sub>3</sub>	%	21 - 26
	SiO <sub>2</sub>	%	68 - 72
	Fe <sub>2</sub> O <sub>3</sub>	%	< 1.2

Physical properties:			
Bulk density	g/cc	2.30	
	lb/ft <sup>3</sup>	143.5	
Apparent porosity	Vol. %	≤ 1.5	
Water absorption	%	≤ 1	
Cold crushing strength	N/mm <sup>2</sup>	≥ 101.2	
	Kg/cm <sup>2</sup>	≥ 1020	
Flexural Strength	N/mm <sup>2</sup>	≥ 15	
	Kg/cm <sup>2</sup>	≥ 152	
Acid solubility	Loss in mass %	≤ 0.5	
Thermal conductivity	300° C W/mK	0.6	
	600° C W/mK	1.2	
	900° C W/mK	1.29	
Size tolerance:	Length (mm)	1.5 Max	
	Width (mm)	1 Max	
	Thickness(mm)	1 Max	
Warpage	mm	≤ 1 Max	

\*Although we have no reason to doubt the accuracy of the data presented, Khodiyar ceramics (I) Pvt Ltd.. offers this information for comparison only, and disclaims any and all liability from error, omissions or inaccuracies, such that it does not constitute a warranty or representation for which we shall assume legal responsibility.

- Reference:
  - Central Glass and Ceramics Research Institute, Ahmadabad, Gujarat.
  - Aglow Quality Control Laboratory Pvt Ltd, Kolkata

### 3 | Acid Resistant Brick:

#### Acid resistant Arch bricks:

- End Arch Shapes:

Sizes in (mm)		
Length	Width	Thickness
230	115/110	75
230	113/105	75
230	114/108	65
125	115/91	75
175	115/75	75
230	115/107	38
125	115/91	75
150	115/104	95
165	115/75	75
223	80/69	40
230	115/100	95
230	115/101	95
230	115/104	95
230	115/105	95
230	115/106	65
230	70/45	41
230	75/50	65
230	75/60	65

- Side Arch Shapes:

Sizes in (mm)		
Length	Width	Thickness
230	115	75/70
197	115	75/70
230	115	75/56
230	115	75/65
230	115	76/58
213	114	76/64
220	105	73/63
220	105	73/67
220	105	73/65
230	115	75/40
230	115	75/50
230	115	75/60
230	115	75/62
200	100	65/55
216	73	79/40
230	114	75/57
230	73	77/46
230	75	75/65
240	140	95/70
105	105	103/84
105	105	104/77
105	105	106/73
180	105	75/64
180	105	75/68
215	105	75/55
215	105	75/61
215	105	75/69
215	105	76/49
220	105	75/66
220	105	75/67
250	58	105/87

#### 4 | Acid Resistant Brick:

- **Tapered Strecher:**

Sizes in (mm)		
Length	Width	Thickness
230/220	115	75
220/210	105	73
220/208	105	73
230/210	114	75
230/219	115	91.5
230/219	115	95
230/221	115	95

- **Beams:**



Sizes in (mm)		
Length	Width	Thickness
1170	115	65
1200	115	75
1320	115	65
1410	115	65
1470	115	65
1490	115	65
530	115	65
560	115	65
760	115	65
890	115	65
890	200	80
940	115	65
960	115	65
990	115	65
334	114	75
420	115	75
530	115	65
730	115	75
760	115	65
890	115	65
890	115	75
960	115	65
960	115	75
990	115	65
990	115	75
530	115	65
760	115	65
890	115	65
960	115	65
990	115	65

## 5 | Acid Resistant Brick:

- **A.R Sleeve:**



Sizes in (mm)		
Length	ID	OD
500	90	125
600	90	125
700	90	125
800	90	125
900	90	125
1000	90	125
1100	90	125
1200	90	125
1300	90	125
1400	90	125
1500	90	125

- **Corbal Brick:**



Sizes in (mm)		
Length	Width	
230	114	230/87/120

**Corporate Office:**  
Plot no 829,  
Kerala Industrial Estate,  
Near Bavla,  
Ahmadabad  
Gujarat, India  
[www.khodiyceramics.com](http://www.khodiyceramics.com)  
[info@khodiyceramics.com](mailto:info@khodiyceramics.com)

**Factory:**  
Plot no: 829,813,814,928,  
Kerala Industrial Estate,  
Near Bavla,  
Ahmadabad  
Gujarat, India

Ph: +91-- 2714 – 268568  
M: +91--972—341897  
Banker: ICIC I Bank Ltd  
Ac No: 049605000302  
ISFC Code: ICIC 0000496

TIN No: 24074701122  
CST No: 24574701122  
MSME No: 240071233188

