

Khodiyar Ceramics (I) Pvt. Ltd.



ACID/CHEMICAL/CORROSION RESISTANT Brick:



- Khodiyar[®] Acid/Chemical/Corrosion resistant bricks come in 38 mm standard thickness, however for more shape and sizes available. See the table detailing various sizes available.
- Khodiyar[®] 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 ₂ O ₃	%	21 - 26
	SiO ₂	%	68 - 72
	Fe ₂ O ₃	%	< 1.2

Physical properties:			
Bulk density	g/cc	2.30	
	lb/ft ³	143.5	
Apparent porosity	Vol. %	≤ 1.5	
Water absorption	%	≤ 1	
Cold crushing strength	N/mm ²	≥ 101.2	
	Kg/cm ²	≥ 1020	
Flexural Strength	N/mm ²	≥ 15	
	Kg/cm ²	≥ 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	

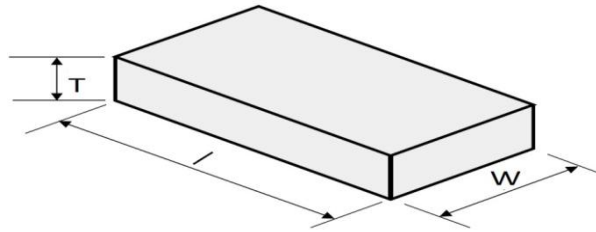
*Although we have no reason to doubt the accuracy of the data presented, Khodiyar ceramics (I) Pvt Ltd.. offers this information for comparison only, and disclaims any and all liability from error, omissions or inaccuracies, such that it does not constitute a warranty or representation for which we shall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

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

3 | Acid Resistant Brick:

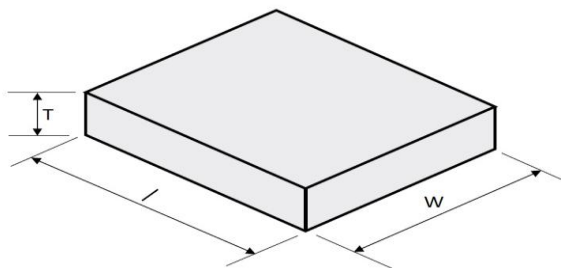
Acid resistant bricks in Standard Available Shapes and Sizes:

- Standard brick:



Sizes in (mm)			Kg/piece
Length	Width	Thickness	
230	114	25	1.52
230	114	30	1.80
230	114	38	2.30
230	114	40	2.40
230	114	50	3.10
230	114	65	3.90
230	114	75	4.50
230	114	100	6.10
230	114	115	6.95
240	114	25,30,38,40,50, 65,75,100,115	---
250	114	25,30,38,40,50, 65,75,100,115	---

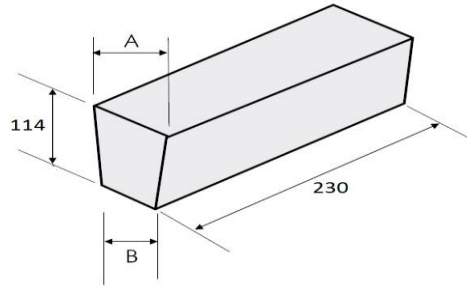
- Foundation Brick:



Sizes in (mm)			Kg/piece
Length	Width	Thickness	
230	230	50	6.10
230	230	65	7.91
230	230	75	9.13
230	230	80	9.73

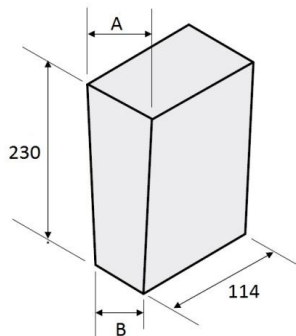
4 | Acid Resistant Brick:

- **Side Arch brick:**



Size in (mm)		Kg/piece
A	B	
78	74	4.585
79	73	4.585
81	71	4.585
84	68	4.585
88	64	4.585

- **End arch brick:**



Size in (mm)		Kg/piece
A	B	
78	74	4.585
79	73	4.585
81	71	4.585
84	68	4.585
88	64	4.585

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