

Khodiyar®

ACID/CHEMICAL/CORROSION RESISTANT Tiles:



- Khodiyar® Acid resistant tiles / heavy duty industrial tiles are manufactured to perform excellent corrosion and wear resistance to the industrial floors and inside the vessels. It can withstand extreme demands of manufacturing and processing industry.
- Low absorption rates restrict highly corrosive acid/alkali penetration.
- High slip resistance make safer operations and minimizes the accidents.
- Khodiyar® Acid/Chemical/Corrosion resistant Tiles come in 20, 25 mm standard thickness, however for more shape and sizes available. See the table detailing various sizes available.
- Khodiyar® Acid Tiles complies with ASTM-279-XX (type-III), DIN EN 993-16, and IS 4457 (class I) for use where minimum Absorption & Maximum acid resistance are required.

## 2 | Acid Resistant Tiles:

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

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	2.32
		lb/ft <sup>3</sup>	144.8
	Apparent porosity	Vol. %	≤ 1.65
	Water absorption	%	≤ 1
	Cold crushing strength	N/mm <sup>2</sup>	≥ 101.2
		Kg/cm <sup>2</sup>	≥ 1031
	Bending Strength	N/mm <sup>2</sup>	≥ 20.5
		Kg/cm <sup>2</sup>	≥ 210
	Acid solubility	Loss in mass %	< 0.5
	Thermal conductivity	300° C W/mK	-
		600° C W/mK	-
		900° C W/mK	-
	Size tolerance:	Length (mm)	1.5 Max
		Width (mm)	1 Max
		Thickness(mm)	1 Max
	Warpage	mm	≤ 1 Max

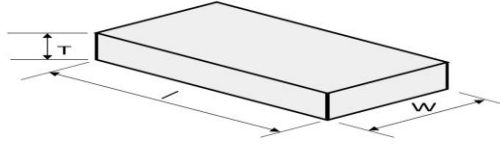
\*Although we have no reason to doubt the accuracy of the data presented, Ferro-Ceramic Grinding Inc. offers this information for comparison only, and disclaims any and all liability from error, omissions or inaccuracies, such that it does not constitute a warranty or representation for which we shall assume legal responsibility.

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

### 3 | Acid Resistant Tiles:

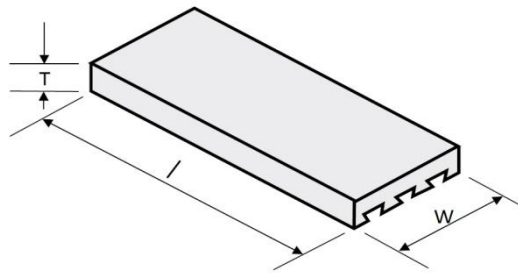
#### Acid resistant Tiles in Standard Available Shapes and Sizes:

##### Standard Tiles:



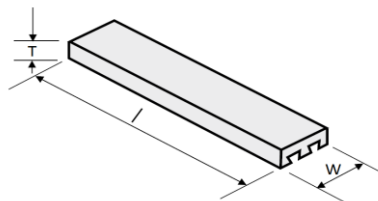
Sizes in (mm)			Kg/piece
Length	Width	Thickness	
230	114	20	1.21
230	114	15	0.91
200	100	20	0.92
200	100	12	0.55
300	150	25	2.61
300	150	30	3.31
150	150	25	1.35
150	150	30	1.56

##### Split Tile:



Sizes in (mm)			Kg/piece
Length	Width	Thickness	
230	114	15	0.78
230	114	20	1.01
230	114	25	1.48

##### Strip Tile:



Sizes in (mm)			Kg/piece
Length	Width	Thickness	
200	50	12	0.30
200	50	15	0.40