



## Acid/Alkali Resistant Tiles

## Technical Information

- ❖ Ceramic material based Unglazed Vitrified Tiles for protection against Acid/Alkali attacks.

### Description:

- ❖ Vitrified tile is a ceramic tile with very low porosity. Vitrified tiles are made by hydraulic pressing a mixture of clay, quartz, feldspar and silica, which make vitreous surface, thus creating a single mass making them hard with low porosity.
- ❖ The tiles have low contents of  $Al_2O_3$ ,  $Fe_2O_3$ , CaO and MgO which make it resistant to most Acid/Alkali attacks.
- ❖ The Tiles are Unglazed to provide a little rough surface for bonding.

### Base:

- ❖ Clay-Siliceous Quartz mixture

### Material Group:

- ❖ Lining, Tiles

### Properties:

- ❖ Excellent Protection against almost all Acid and Alkali attacks
- ❖ Low Porosity and Low Water Absorption
- ❖ High Mechanical Strength and High Abrasion Resistance
- ❖ Thermal Shock Resistance

### Physical Data as Per IS : 4457 of 2007:

Property	Value	
	12 mm	20 mm
Breaking Strength	3000 N	9415 N
Modulus of Rupture	38 N/mm <sup>2</sup>	42.2 N/mm <sup>2</sup>
Resistance to Acid	0.40 % Loss in Mass	0.35% Loss in Mass
Water Absorption	0.04 %	0.11%
Straightness of edges (Squareness)	± 0.50%	± 0.50%
Resistance to wear	1.2mm	1.2mm
Tolerance on length breadth and thickness	Length/ Breadth ± 1% Thickness ± 0.5%	Length/ Breadth ± 1% Thickness ± 0.5%
Warpage	± 0.3%	± 0.5%

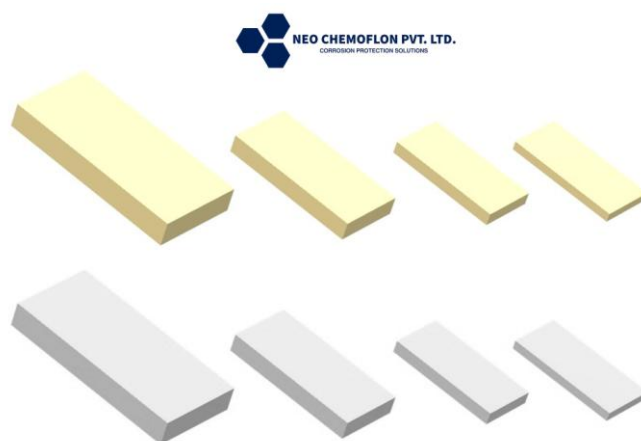


**NEO CHEMOFLON PVT. LTD.**

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## Tile Dimensions:



Tile Code	Length mm	Breadth mm	Width mm
AR Tile 20	200	100	20
AR Tile 15	200	100	15
AR Tile 12	200	100	12

Other Sizes and Shapes of Tiles can also be manufactured based on the requirement subject to consideration and adequate supply time.

## Consumption:

Tile Code	Tiles/m <sup>2</sup>
AR Tile 20	50
AR Tile 15	50
AR Tile 12	50

## Packaging:

Item Type	Packing Type	Content
AR Tile 20	Box Packing with Filler material	18 Pcs / Box
AR Tile 15	Box Packing with Filler material	20 Pcs/ Box
AR Tile 12	Box Packing with Filler material	28 Pcs / Box

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