



Technical Specifications

Acid Resistant Tiles

	Test Description	IS 4457:2007	12mm	15mm	20mm
A) Dimension Quality					
1	Length & Width	±0.75%	±0.6%	±0.6%	±0.6%
2	Thickness	±5%	±5%	±5%	±5%
3	Straightness of sides	±0.5%	±0.4%	±0.4%	±0.4%
4	Rectangularity	±0.6%	±0.5%	±0.5%	±0.5%
5	Surface flatness	±0.5%	±0.3%	±0.3%	±0.3%
B) Physical Properties					
1	Water absorption	< 0.5%	< 0.5%	< 0.5%	< 0.5%
2	Mohs Hardness		>7	>7	>7
3	Flexural strength (Average MOR)	>35N/mm ²	>38N/mm ²	>38N/mm ²	>38N/mm ²
4	Breaking Strength	≥1300N	>2500N	>4000N	>7500N
5	Abrasion resistance/Deep abrasion	<175mm ³	<140mm ³	<140mm ³	<140mm ³
6	Skid Resistance	>0.4	>0.6	>0.6	>0.6
7	Density (gm/cc)	>2	>2.2	>2.2	>2.2
8	Moisture expansion	Nil	Nil	Nil	Nil
C) Chemical Properties					
1	Resistance to Conc. Acid (wt. Loss)	< 1.5 %	≤ 1 %	≤ 1 %	≤ 1 %
2	Resistance to household chemicals & swimming pool salts	Resistance	Resistance	Resistance	Resistance
3	Stain resistance	Resistance	Resistance	Resistance	Resistance
D) Thermal Properties					
1	Thermal expansion	<9 x 10 ⁻⁶ K ⁻¹	<9 x 10 ⁻⁶ K ⁻¹	<9 x 10 ⁻⁶ K ⁻¹	<9 x 10 ⁻⁶ K ⁻¹
2	Thermal shock resistance	No damage	No damage	No damage	No damage

ZEOCHEM ANTICORR

Regd. Office: B/5, Rameshwar CHS Ltd., Dafnala Road, Shahibaug, Ahmedabad-380 004, Gujarat, India

Admn. Office: A-402/403, 4th Floor, Abhishek-I, Nr. Vishvavidhyala School, Asarwa, Ahmedabad-380 016, Gujarat, India

C : +91-7600 3535 01 / 02 E : info@zeochem.net | zeochem@hotmail.com