

Technical Specification of Concrete Flooring Tiles

Product : Matrix Tile (400x400x40)mm

S.No.	Description	Asian Concrete	Standard References
			NS 392, IS 1237, ASTM C 1731, BS 5385
1	Dimension of Specimen		
	Length mm	400	As per Actual
	Width mm	400	As per Actual
	Thickness mm	40	As per Actual
	Arris/ Chamfer mm	7.2	Min 5, Max 7
	Flatness mm	Nil	1mm
	Straightness	Nil	1% of Length
	Thickness of Wearing Layer mm	> 6	Minimum 6mm
2	Dimension Tolerance		
	Length mm	± 1mm	± 1mm
	Width mm	± 1mm	± 1mm
	Thickness mm	± 1mm	± 5mm
	Arris/ Chamfer mm	(+) 0.2mm	± 1mm
	Thickness of Wearing Layer mm	(+) 2mm	(+) 2mm
3	Surface Area of Tile	1600	As per Actual
	cm ²		
4	Volume of Specimen	6400	As per Actual
	cm ³		
5	Minimum Compressive Strength N/mm²	≥ 30	25 N/mm ²
	28 Days		
6	Water Absorption	< 6%	Maximum 10%
	(%)		
7	Dry Density	2250	2250 kg/m ³ , ± 50 kg/m ³
	kg/m ³		
8	Abrasion Resistance	< 2mm	Maximum 2.5mm
	mm		
9	Face Layer Pigment (Color)	Synthetic or Natural	Synthetic or Nautral (Zinc compound or organic dyes or Lead pigments shall not be used)
10	Lable and Marking		
	Concrete tile package shall be marked with the following information suitably:		
	a) Identification of the manufacturer,		
	b) Grade of concrete tiles, and		
	c) Date of manufacture.		
Note: The product should be adequately packed to identify above and also ensure products from manufacturer facility to the buyer facility during loading transport, unloading do not suffer any physical damage including chipping, cracking, deform or any other damage from actual product specifications			