



# PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

[Regd. Under Section 8 of Companies Act, 2013], CIN No. U74999MH2018NPL308583

## IS 13801: 2013 CHEQUERED CEMENT CONCRETE TILES — SPECIFICATION

### Key Information

#### DIMENSIONS (MM)

#	Length	Breadth	Minimum Thickness	
			Single Layer or Mono-layer Tile	Double Layer Tile
1.	200	200	17	22
2.	250	250	17	22
3.	300	300	20	25
4.	400	400	20	25

#### DIMENSIONAL TOLERANCES

Length, Breadth:	+/- 1mm
Longest Side & Shortest Side Difference:	≤ 1mm
Thickness (% of minimum thickness):	+15%, -0
Thickness Difference (Thickest – Thinnest):	10% (of minimum thickness)
Thickness of Wearing Layer (minimum):	5mm (Chip size up to 12mm, general purpose) 6mm (Chip size up to 20mm, general purpose & heavy duty)

#### PHYSICAL REQUIREMENTS

Flatness (Concavity, convexity):	≤ 1mm
Perpendicularity (gap):	≤ 2% (of length of the edge)
Straightness (gap):	≤ 1% (of length of the edge)
Water Absorption (avg.):	≤ 10%
Wet Transverse Strength (avg.):	≥ 3 N/mm <sup>2</sup>
Wear Resistance (mm):	

Tiles Type	Application	Average Wear	Individual Specimen
General Purpose	Light traffic loads such as in Entrances and Staircases of Office Buildings, Schools, Colleges, Hospitals and Residential Buildings and in Footpaths and Driveways within Building Compounds.	≤ 3.5	≤ 4.0
Heavy Duty	Heavy traffic conditions such as in Industrial Godowns and Industrial Workshop floors; Platforms; Ramps and Entrances of Public Buildings; Passages of Auditoriums; and in Public Footpaths and Pavements within Commercial Building Compounds.	≤ 2.0	≤ 2.5

#### SAMPLING

As per Level 1 in Table 1 and AQL 6.5% in Table 3A of IS 2500 (Part 1).

*(For further details please refer to the Standard)*



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