

Specifications for Cement Concrete Heavy Duty Chequered Tiles of size (Sizes: 250x250x25mm, 300x300x30mm, 400x400x34mm)

Supply of High Strength and high wear resistant Cement Concrete Chequered Tiles with high finish with

-wear resistant aggregates (silicon carbide or equivalent) and balance color coordinated aggregates in face mix.

-Colours specified by the architects, using UV resistant color Pigments from Lanxess.

Sr.	Parameters	Minimum Requirements(Testing as per IS 13801:1993)
1.	Percentage Water Absorption	Not over 6%
2.	Wet transverse strength	Not less than 4.5N/mm ²
3.	Average wear in Thickness- Abrasion	Average wear not more than 2mm
4.	Tolerance in Size (length + breadth)	± 1mm
5.	Thickness of wearing layer	Not less than 8mm
6.	Variation in Thickness of tiles	Variation not to exceed 3mm
7.	Flatness of tile surface	Concavity / convexity not to exceed 1mm
8.	Colours	UV Light resistant fast colours from Lanxess only to be used

- The Chequered Tiles must confirm to IS 13801:1993.
- The Tiles must be manufactured on automatic machines with mechanical vibration and rubberized moulds.
- The manufacturing company must be an ISO 9001:2015 certified Company or should have equivalent quality management systems in place to ensure quality product.
- The Tiles must meet the sustainability criteria and should be certified as a green product by CII.
- The Tiles will be made using wear resistant materials in the face mix as specified by the architects.
- The Tiles must be cured in a controlled environment to ensure efflorescence free material.
- The manufacturer must have in house testing laboratory to carry out all testing including Compressive strength testing, Water absorption, abrasion resistance etc.