

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

Product Description

Supply of high-strength, high-wear resistant Cement Concrete Heavy Duty Chequered Tiles, of VYARA make, comprising:

- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Wear-resistant aggregates like silicon carbide or equivalent along with colour-coordinated aggregates for enhanced surface durability and visual uniformity

Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Tolerance in Size (Length & Breadth)	±1 mm
2.	Tolerance in Thickness (mm)	±2 mm
3.	Thickness of Wearing Layer	Not less than 6 mm
4.	Water Absorption	Average not over 10%
5.	Wet Transverse Strength	Average ≥ 3 MPa
6.	Flatness of Tile Surface	Concavity / Convexity not to exceed 1mm
7.	Abrasion Resistance	Average ≤ 2 mm
8.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used

Manufacturing & Quality Assurance

Manufacturing Process:

- The tiles must be manufactured on automatic machines with mechanical vibration and rubberized moulds.
- The tiles must be cured in a controlled environment to ensure efflorescence free material.

Quality Certifications:

The manufacturer must be ISO 9001:2015 certified or have equivalent quality management systems in place to ensure quality product.

Sustainability Requirements:

The product must meet the sustainability criteria and should be certified as a green product (GreenPro) by CII.

Testing Facilities:

The manufacturer must have an in-house laboratory equipped to perform these tests:
Water Absorption | Wet Transverse Strength | Abrasion Resistance