

Technical Specifications for Granamexx Heavy Duty Tiles (Sizes: 300 x 300 x 28 mm, 400 x 400 x 31mm, 500 x 500 x 32 mm) with Shotblasted Finish and Premier Shield Protection (Integral and topcoat treatment)

Product Description

Supply of high-strength, high-wear resistant Cement Concrete Tiles with Granamexx finish, of VYARA make, comprising:

- 6 mm granolithic face mix
- Shotblasted texture
- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, reduction of algae, moss and efflorescence formation.

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 AssuranceManufacturing 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.
- The tiles must be ground on Linear Grinding Machine

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