

## **Technical Specifications for Cement Concrete Pebblino-Washbeton Tiles with Premier Shield Protection (Integral and Topcoat treatment) (Sizes: 300x300x30mm, 400x400x34mm)**

### **Product Description**

Supply of Exposed Pebble Aggregate Cement Concrete Tiles “Pebblino”, of VYARA make, comprising:

- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Pebble aggregates 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**

<b>Sr.</b>	<b>Parameters</b>	<b>Minimum Requirements</b>
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 $\geq$ 3 MPa
6.	Flatness of Tile Surface	Concavity / Convexity not to exceed 1mm
7.	Abrasion Resistance	Average $\leq$ 3.5 mm
8.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used
9.	Sealant	Two coats of Acrylic Coat- Solvent free

## **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