

## **Technical Specifications for 60 mm Thick QUADRASTEIN Concrete Paving Blocks in Mélange Series with Premier Shield Protection (Integral and topcoat treatment) with ISI mark (IS 15658:2021)**

### **Product Description**

Supply of high-strength, high-finish Quadrastein Concrete Paving Blocks in Mélange Series, 60 mm thick, of VYARA make with ISI marking in compliance with IS 15658:2021, comprising:

- In 2-3 colour blends, with colours and blend combinations as specified by the architect
- UV-resistant colour pigments from Lanxess or approved
- Wear-resistant, colour-coordinated aggregates for enhanced surface durability and visual uniformity
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, and reduction of algae, moss, and efflorescence formation



## Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Tolerance in Size (Length & Breadth)	±2 mm
2.	Thickness (mm)	60 mm ±3 mm
3.	Thickness of Wearing Layer	Not less than 6 mm
4.	Water Absorption	Average not over 5%
5.	Compressive Strength	Average ≥ 49.13 MPa
6.	Flexural Strength	Average ≥ 4.95 MPa
7.	Abrasion Resistance	Average ≤ 18000 mm <sup>3</sup> /5000 mm <sup>2</sup>
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 paving blocks must be manufactured on Vibropress type machine only. The manufacturer must demonstrate the feeding of material into the machines by automatic batching plants with capacity of min 30 m<sup>3</sup>/hr.
- The paving blocks 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 | Compressive Strength | Flexural Strength | Abrasion Resistance

Vyara Tiles Limited

903-904 Rajhans Montessa, Near Le Meridian, Dumas Road, Surat 395007

Ph: 0261-2471595, 2472444 | E-mail: info@vyaratiles.in | Website: [www.vyaratiles.in](http://www.vyaratiles.in)