

## Technical Specifications for 100 mm Thick Interlocking Concrete Paving Blocks, with ISI Mark (IS 15658:2021)

### Product Description

Supply of high-strength, high-finish Interlocking Concrete Paving Blocks, 100 mm thick, of VYARA make with ISI marking in compliance with IS 15658:2021, comprising:

- UV-resistant colour pigments from Lanxess or similar, in colours as specified by the architect
- Wear-resistant, colour-coordinated aggregates for enhanced surface durability and visual uniformity

### Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Tolerance in Size (Length & Breadth)	±2 mm
2.	Thickness (mm)	100 mm ±4 mm
3.	Thickness of Wearing Layer	Not less than 6 mm
4.	Water Absorption	Average not over 5%
5.	Compressive Strength	Average $\geq 49.13$ MPa
6.	Flexural Strength	Average $\geq 4.95$ MPa
7.	Abrasion Resistance	Average $\leq 18000 \text{ mm}^3/5000 \text{ mm}^2$
8.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used

### 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