

Technical Specifications for Reflective Type (Wet Cast) 60 mm thick Concrete Paving Blocks

(Pedestrian and Light Vehicular Traffic - Only Occasional Heavy Vehicle Allowed)

Product Description

Supply of Reflective Type (Wet Cast) finish Interlocking Concrete Paving Blocks, 60 mm thick, of VYARA make, comprising:

- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Wear-resistant, colour-coordinated aggregates for enhanced surface durability and visual uniformity
- Supplied with two coats of UV resistant acrylic lacquer coating

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 6%
5.	Compressive Strength	Average ≥ 39.13 MPa
6.	Flexural Strength	Average ≥ 3.85 MPa
7.	Abrasion Resistance	Average ≤ 18000 mm ³ /5000 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 wet cast in elastomeric rubber moulds only.
- The paving blocks must be cured in a controlled environment to ensure efflorescence free material.

Quality Requirements:

- The paving blocks should have perpendicularities after release from the mould and the same should be retained until the laying.
- The top surface should be of anti-skid type, should not have pin holes and should be dense. The color pigment and lacquer coating should not be harmful to concrete.
- The paving blocks should have uniform interlocking spacer bars of 2mm to 3mm to ensure compacted sand filling after vibration on the paver surface.

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