

Technical Specifications for Reflective Type (Wet Cast) ETA 80 mm thick Concrete Paving Blocks with ISI mark (IS 15658:2021) (For Heavy Vehicular Traffic)

Product Description

Supply of Reflective Type (Wet Cast) finish “ETA” Interlocking Concrete Paving Blocks, 80 mm thick, of VYARA make with ISI marking in compliance with IS 15658:2021, 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) | 80 mm ±3 mm |
| 3. | Thickness of Wearing Layer | Not less than 6 mm |
| 4. | Water Absorption | Average not over 6% |
| 5. | Compressive Strength | Average ≥ 54.13 MPa |
| 6. | Flexural Strength | Average ≥ 5.50 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 confirm the requirements of IS 15658:2021.
- 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