

Technical Specifications for 80 mm Thick Single Layer Interlocking Concrete Paving Blocks, with ISI Mark (IS 15658:2021)

Product Description

Supply of high-strength, high-finish Interlocking Concrete Paving Blocks, 80 mm thick single layer of VYARA make with ISI marking in compliance with IS 15658:2021.

Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Tolerance in Size (Length & Breadth)	±2 mm
2.	Thickness (mm)	80 mm ±3 mm
3.	Water Absorption	Average not over 5%
4.	Compressive Strength	Average ≥ 44.13 MPa
5.	Flexural Strength	Average ≥ 4.40 MPa
6.	Abrasion Resistance	Average ≤ 18000 mm ³ /5000 mm ²

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 m³/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.

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Testing Facilities:

The manufacturer must have an in-house laboratory equipped to perform these tests:

Water Absorption | Compressive Strength | Flexural Strength | Abrasion Resistance