

Technical Specifications for Flagstones

Product Description

Supply of Concrete Flagstones, 60 mm thick, of VYARA make in various sizes, comprising:

- Plain/ Shotblasted/ Honed finish
- 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
- **Optional:** Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, reduction of algae, moss and efflorescence formation.
- Conforming to requirements of IS 18889:2024

Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Size (mm)	300 x 300 x 60, 400 x 400 x 60, 450 x 300 x 60, 600 x 300 x 60 mm
2.	Tolerance in Size (Length & Breadth)	±2 mm
3.	Thickness (mm)	60 mm ±3 mm
4.	Thickness of Wearing Layer	Not less than 6 mm
5.	Water Absorption	Average not over 6%
6.	Bending Strength	Average ≥ 5 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 Flagstones 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 Flagstone 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 | Bending Strength | Flexural Strength | Abrasion Resistance