

Technical Specifications for Modular Paving Stones – Decastone in 80mm Thickness with Premier Shield Protection (Integral and topcoat treatment)

Product Description

Supply of Solid Modular paving stones in “Decastone Design”, of VYARA make, 80mm thick, comprising:

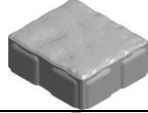
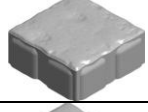
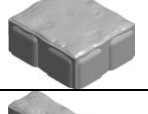
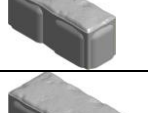
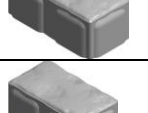


- Ten different sizes of paving stones with undulated surface
- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Wear-resistant, colour-coordinated aggregates
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, and reduction of algae, moss, and efflorescence formation
- Modular configuration as per the drawing provided below



Decastone 900mmX750mm



Decastone Stone Sizes

Stone Type	Image	Size in mm
Type01		225 x 200 x 80 mm
Type02		200 x 200 x 80 mm
Type03		200 x 175 x 80 mm
Type04		200 x 75 x 80 mm
Type05		200 x 100 x 80 mm
Type06		175 x 100 x 80 mm
Type07		150 x 100 x 80 mm
Type08		175 x 75 x 80 mm
Type09		150 x 75 x 80 mm
Type10		125 x 75 x 80 mm

Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Size (mm)	225x200x80, 200x200x80, 200x175x80, 200x75x80, 200x100x80, 175x100x80, 150x100x80, 175x75x80 150x75x80, 125x75x80 mm
2.	Tolerance in Size (Length & Breadth)	±2 mm
3.	Thickness (mm)	80 mm ±3 mm
4.	Thickness of Wearing Layer	Not less than 6 mm
5.	Water Absorption	Average not over 5%
6.	Compressive Strength	Average ≥ 39.13 MPa
7.	Flexural Strength	Average ≥ 3.85 MPa
8.	Abrasion Resistance	Average ≤ 18000 mm ³ /5000 mm ²
9.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used
10.	Sealant	Two coats of Acrylic Coat- Solvent free

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