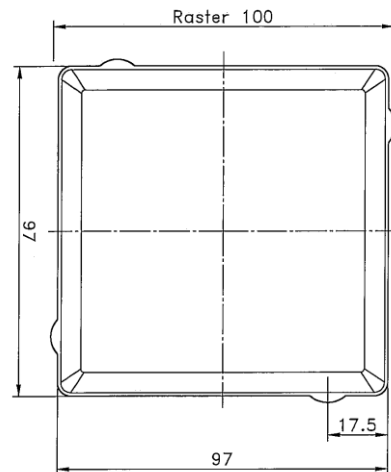


## Technical Specifications for 80 mm Thick Concrete Cobble Square in Mélange Series with Premier Shield protection (Integral and topcoat treatment)

### Product Description

Supply of Concrete Cobble Square in Mélange Series, 80 mm thick, of VYARA make, comprising:

- In 2-3 colour blends, with colours and blend combinations as specified by the architect
- 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
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, and reduction of algae, moss, and efflorescence formation
- Cobble Square size as per the drawing given below  
Size 97 x 97 x 80 mm thick. Nominal size of 100mm x 100mm



**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 5%
5.	Compressive Strength	Average ≥ 30 MPa
6.	Abrasion Resistance	Average ≤ 18000 mm <sup>3</sup> /5000 mm <sup>2</sup>
7.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used
8.	Sealant	Two coats of Acrylic Coat- Solvent free

**Manufacturing & Quality Assurance**Manufacturing Process:

- The concrete cobbles 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 m<sup>3</sup>/hr.
- The concrete cobbles 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 | Compressive Strength | Flexural Strength | Abrasion Resistance