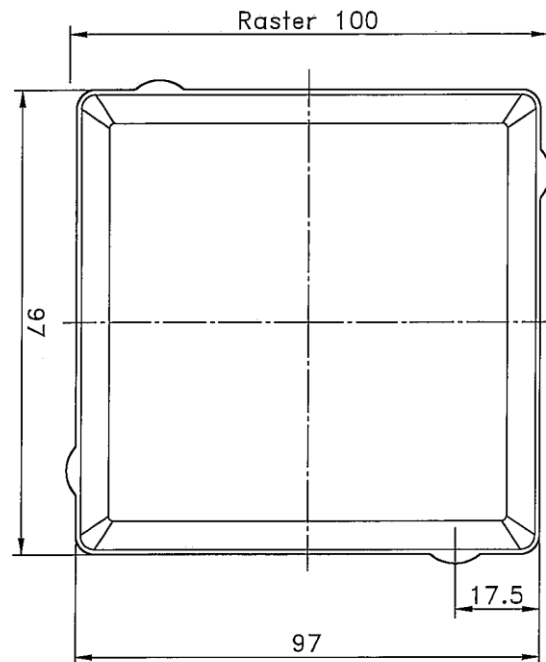# Technical Specifications for 80 mm Thick Concrete Cobble Square in Shotblasted Finish

Product Description

Supply of Rustic Shotblasted Concrete Cobble Square, 80 mm thick, of VYARA make, comprising:

- Shotblasted Texture
- 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
- Cobble Square size as per the drawing given below
  Size 97 x 97 x 80 mm thick. Nominal size of 100mm x 100mm

Vyara Tiles Limited
903-904 Rajhans Montessa, Near Le Meridian, Dumas Road, Surat 395007
Ph: 0261-2471595, 2472444 | E-mail: info@vyaratiles.in | Website: www.vyaratiles.in

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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^3/5000 mm^2
7.	Colour	UV Light resistant fast colours from Lanxess or approved only to be used

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^3/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

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