

**Specifications for Modular Paving Stones – Decastone in 80mm thickness with Premier Shield protection (Integral and top coat treatment)**

Supply of Solid Modular paving stones in “Decastone Design”, of VYARA make, in 80mm thickness with ten different sizes of paving stones

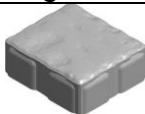
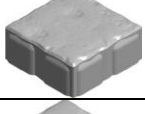
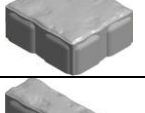
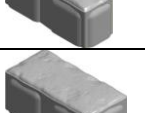
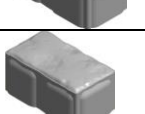



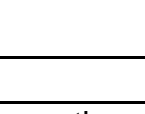
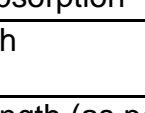
- with undulated surface, colours specified by the architects
- using UV resistant color pigments from Lanxess.
- wear resistant color coordinated aggregates.
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, reduction of algae, moss and efflorescence formation
- modules as per the drawing given below



**Decastone 900mmX750mm**



### Decastone Stone Sizes

Stone Type	Image	Size in mm
Type01		225x200x80 mm
Type02		200x200x80 mm
Type03		200x175x80 mm
Type04		200x75x80 mm
Type05		200x100x80 mm
Type06		175x100x80 mm
Type07		150x100x80 mm
Type08		175x75x80 mm
Type09		150x75x80 mm
Type10		125x75x80 mm

Sr.	Parameters	Minimum Requirements
1.	Percentage Water Absorption	Average not over 4.5%
2.	Compressive strength	Average of all pcs not less than 400 Kg/cm <sup>2</sup>
3.	Tensile Splitting Strength (as per EN 1338)	Average not less than 3 MPa
4.	Average wear in Thickness- Abrasion	Conforming to Grade 'H' of EN 1338
5.	Tolerance in size (length + breadth)	± 1.5mm
6.	Thickness of wearing layer	Not less than 5mm
7.	Tolerance in Thickness of block	± 3mm
8.	Colours	UV Light resistant fast colours from Lanxess only to be used.

- The paving stones 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 manufacturing company must be an ISO 9001:2015 certified Company or should have equivalent quality management systems in place to ensure quality product.
- The paving stones must meet the sustainability criteria and should be certified as a green product by CII.
- The paving stones will be made using wear resistant materials in the face mix as specified by the architects.
- The colours of the blocks (wearing layer) will be as selected by the architects.
- The paving stones must be cured in a controlled environment to ensure efflorescence free material.
- The manufacturer must have in house testing laboratory to carry out all testing including Compressive strength testing, Water absorption, abrasion resistance etc.