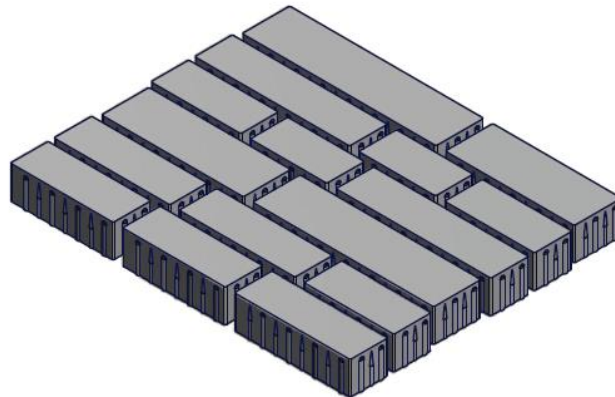


## **Technical Specifications for Modular Paving Stones – ESCALON** **in 100mm Thickness with Premier Shield Protection (Integral** **and topcoat treatment)**

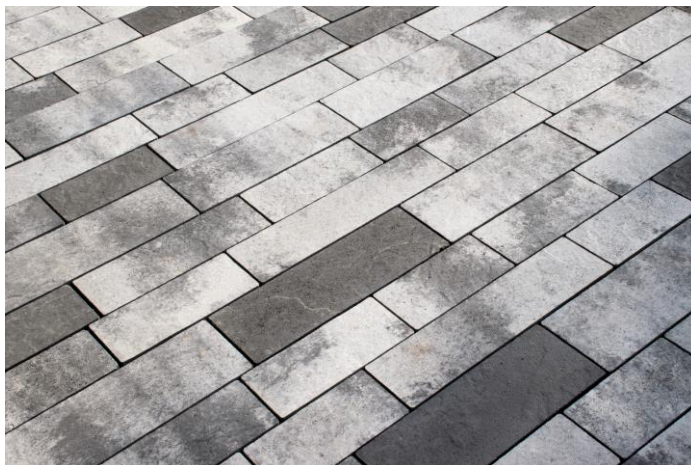
### **Product Description**

Supply of Solid Modular Paving Stones in “Escalon Design” (VYARA make), 100 mm thick, comprising:

- Nine different sizes of paving stones arranged in a runner-bond pattern 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



**Escalon 1000mm\*780mm\*100mm module layout**



Stone Type	Stone Size in mm
Type01	600 x 150 x 100
Type02	560 x 150 x 100
Type03	440 x 150 x 100
Type04	400 x 150 x 100
Type05	480 x 120 x 100
Type06	360 x 120 x 100
Type07	320 x 120 x 100
Type08	280 x 120 x 100
Type09	240 x 120 x 100

### Technical Parameters

Sr.	Parameters	Minimum Requirements
1.	Size (mm)	600x150x100, 560x150x100, 440x150x100, 400x150x100, 480x120x100, 360x120x100, 320x120x100, 280x120x100, 240x120x100
2.	Tolerance in Size (Length & Breadth)	±2 mm
3.	Thickness (mm)	100 mm ±4 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 <sup>3</sup> /5000 mm <sup>2</sup>
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 m<sup>3</sup>/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.

### Testing Facilities:

The manufacturer must have an in-house laboratory equipped to perform these tests:  
Water Absorption | Compressive Strength | Flexural Strength | Abrasion Resistance