

## Technical Specifications for Pebblino-Flagstone with Premier Shield Protection (Integral and Topcoat treatment)

### Product Description

Supply of Exposed Pebble Aggregate Cement Concrete Flagstones, of VYARA make, comprising:

- UV-resistant colour pigments from Lanxess or approved, in colours as specified by the architect
- Pebble aggregates as specified by the architect
- Premier Shield integral and topcoat treatment for satin finish, water and oil repellence, reduction of algae, moss and efflorescence formation

### Technical Parameters

| Sr. | Parameters                              | Minimum Requirements                                                     |
|-----|-----------------------------------------|--------------------------------------------------------------------------|
| 1.  | Size (mm)                               | 300 x 300 x 60 mm<br>400 x 400 x 60 mm                                   |
| 2.  | Tolerance in Size<br>(Length & Breadth) | ±2 mm                                                                    |
| 3.  | Thickness (mm)                          | 60 mm ±3 mm                                                              |
| 4.  | Thickness of Wearing Layer              | Not less than 6 mm                                                       |
| 5.  | Water Absorption                        | Average not over 6%                                                      |
| 6.  | Bending Strength                        | Average ≥ 5 MPa                                                          |
| 7.  | Abrasion Resistance                     | Average ≤ 18000 mm <sup>3</sup> /5000 mm <sup>2</sup>                    |
| 8.  | Colour                                  | UV Light resistant fast colours from Lanxess or approved only to be used |
| 9.  | Sealant                                 | Two coats of Acrylic Coat- Solvent free                                  |

---

## **Manufacturing & Quality Assurance**

### Manufacturing Process:

- The Flagstones must be manufactured on automatic machines with mechanical vibration and rubberized moulds.
- The flagstones 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 | Wet Transverse Strength | Abrasion Resistance