

Specifications for 60 mm thick Interlocking Concrete Paving Blocks- Reflective Type (Wet Cast) Pedestrian and light vehicular traffic - only occasional heavy vehicle allowed

Supply of Reflective Type (Wet Cast) finish Interlocking Concrete paving blocks of VYARA make, with

- wear resistant aggregates color coordinated aggregates in face mix.
- Colours specified by the architects, using UV resistant color pigments from Lanxess.
- supplied with two coats of UV resistant acrylic lacquer coating

Sr.	Parameters	Minimum Requirements
1.	Percentage Water Absorption	Average not over 6%
2.	Compressive strength	Average not less than 450 Kg/cm ²
3.	Average wear in Thickness-Abrasion	Average wear not more than 2mm
4.	Tolerance in size (length + breadth)	±1.5mm
5.	Thickness of wearing layer	Not less than 5mm
6.	Tolerance in Thickness of block	±3mm
7.	Colours	UV Light resistant fast colours from Lanxess only to be used.

- The concrete pavers should confirm to requirements of IS 15658:2006.
- 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 Concrete paving blocks must meet the sustainability criteria and should be certified as a green product by CII.
- The Concrete paving blocks will be made using wear resistant materials in the face mix as specified by the architects.
- The colours of the Concrete paving blocks (wearing layer) will be as selected by the architects.
- The Concrete paving blocks 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.
- The concrete pavers should have perpendicularities after release from the mould and the same should be retained until the laying.

- Compaction of moulds should be done by mechanical vibrators. The vibrator should vibrate in both horizontal & vertical directions simultaneously. Mould should be retained minimum 1&1/2 minutes on table type vibrator's platform.
- The top surface should be of anti skid type, should not have pin holes and should be dense. The color pigment and lacquer coating should not be harmful to concrete.
- The pavers should have uniform interlocking spacer bars of 2mm to 3mm to ensure compacted sand filling after vibration on the paver surface.
- The manufacturer must have in house testing laboratory to carry out all testing including Compressive strength testing, Water absorption, abrasion resistance etc.
- The concrete pavers should have perpendicularities after release from the mould and the same should be retained until the laying.