

Specifications for 80 mm thick Interlocking Concrete Paving Blocks- Reflective Type (Wet Cast) For heavy Vehicular Traffic

Supply of Reflective Type (Wet Cast) finish Interlocking Concrete paving blocks of VYARA make, in UNI /ETA design 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)	±2mm
5.	Thickness of wearing layer	Not less than 5mm
6.	Tolerance in Thickness of block	±5mm
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 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.

- Color Concrete paving blocks shall be manufactured as per stated specifications using approved color pigment of “LANXESS”. Grey OPC 53 grade cement shall be used for colored pavers to obtain the desired shade.
- 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.