

Specifications for 100 mm thick Interlocking Concrete Paving Blocks with ISI mark (IS 15658:2006) - Mono Layer

- Supply of High Strength high finish Interlocking Concrete paving blocks with ISI mark (IS 15658:2006) of VYARA make, in single layer production with following Specifications.

Sr.	Parameters	Minimum Requirements
1.	Percentage Water Absorption	Average not over 6%
2.	Compressive strength	Average not less than 500 Kg/cm ²
3.	Tensile Splitting Strength (as per EN 1338)	Average not less than 3.6Mpa
4.	Average wear in Thickness-Abrasion	Conforming to Grade 'H' of EN 1338
5.	Tolerance in size (length + breadth)	±1.5mm
6.	Tolerance in Thickness of block	±3mm
7.	Colours	UV Light resistant fast colours from Lanxess only to be used

- The Concrete 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 m³/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 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, Tensile strength testing, Water absorption, abrasion resistance etc.