

Technical Specification of Precast Concrete Pavers (Paving Block)

Product : Rectangular Paver (200x100x60)mm
Rectangular Paver (200x100x100)mm

S.No.	Description	Asian Concreto		Standard References
				Nepal Standard 593:2077
1	Dimension of Specimen			
	Length mm	200	200	As per Actual
	Width mm	100	100	As per Actual
	Thickness mm	60	100	As per Actual
	Aspect Ratio mm	3.33	2.00	Maximum 4
	Arris/ Chamfer mm	7.2	7.2	Min 5, Max 7
	Squareness mm	Nil	Nil	Nil
	Thickness of Wearing Layer mm	> 6	> 6	Minimum 6mm
2	Dimension Tolerance			
	Length mm	± 1mm	± 1mm	60mm Thickness = ± 2mm 100mm Thickness = ± 3mm
	Width mm	± 1mm	± 1mm	60mm Thickness = ± 2mm 100mm Thickness = ± 3mm
	Thickness mm	± 1mm	± 1.5mm	60mm Thickness = ± 1mm 100mm Thickness = ± 1.5mm
	Squareness mm	± 0mm	± 0mm	60mm Thickness = ± 2mm 100mm Thickness = ± 3mm
	Thickness of Wearing Layer mm	(+) 2mm	(+) 2mm	(+) 2mm
	Chamfer mm	(+) 0.2mm	(+) 0.2mm	± 1mm
3	Surface Area of Paver cm ²	200	200	As per Actual
4	Volume of Specimen cm ³	1200	2000	As per Actual
5	Minimum Compressive Strength N/mm² 28 Days	≥ 40	≥ 50	(60mm) Thickness = 35 N/mm ² (100mm) Thickness = 50 N/mm ²
6	Water Absorption (%)	< 6%	< 6%	Maximum 6%
7	Dry Density kg/m ³	2250	2250	2250 kg/m ³ , ± 50 kg/m ³
8	Abrasion Resistance mm	< 2mm	< 3mm	Maximum 3mm
9	Face Layer Pigment (Color)	Synthetic or Natural	Synthetic or Natural	Synthetic or Nautral (Zinc compound or organic dyes or Lead pigments shall not be used)
10	Lable and Marking			
	Concrete paver block package shall be marked with the following information suitably:			
	a) Identification of the manufacturer,			
	b) Grade of paver blocks, and			
	c) Date of manufacture.			
Note: The product should be adequately packed to identify above and also ensure products from manufacturer facility to the buyer facility during loading transport, unloading do not suffer any physical damage including chipping, cracking, deform or any other damage from actual product specifications				