

## Technical Specification of Precast Concrete Pavers (Paving Block)

**Product :** Square Paver (200x200x60)mm

S.No.	Description	Asian Concrete	Standard References
			<i>Nepal Standard 593:2077</i>
1	<b>Dimension of Specimen</b>		
	Length mm	200	As per Actual
	Width mm	200	As per Actual
	Thickness mm	60	As per Actual
	Aspect Ratio mm	3.33	Maximum 4
	Arris/ Chamfer mm	7.2	Min 5, Max 7
	Squareness mm	Nil	Nil
	Thickness of Wearing Layer mm	> 6	Minimum 6mm
2	<b>Dimension Tolerance</b>		
	Length mm	± 1mm	± 2mm
	Width mm	± 1mm	± 2mm
	Thickness mm	± 1mm	± 1mm
	Squareness mm	± 0mm	± 2mm
	Thickness of Wearing Layer mm	(+) 2mm	(+) 2mm
	Chamfer mm	(+) 0.2mm	± 1mm
3	<b>Surface Area of Paver</b>		As per Actual
	cm <sup>2</sup>	400	
4	<b>Volume of Specimen</b>		As per Actual
	cm <sup>3</sup>	2400	
5	<b>Minimum Compressive Strength N/mm<sup>2</sup></b>		35 N/mm <sup>2</sup>
	28 Days	≥ 45	
6	<b>Water Absorption</b>		Maximum 6%
	(%)	< 6%	
7	<b>Dry Density</b>		2250 kg/m <sup>3</sup> , ± 50 kg/m <sup>3</sup>
	kg/m <sup>3</sup>	2250	
8	<b>Abrasion Resistance</b>		Maximum 3mm
	mm	< 2mm	
9	<b>Face Layer Pigment (Color)</b>	Synthetic or Natural	Synthetic or Natural (Zinc compound or organic dyes or Lead pigments shall not be used)
10	<b>Lable and Marking</b>		
	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			