

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

**Product :** Grass Paver (600x400x80)mm

S.No.	Description	Asian Concrete	Standard References
			Nepal Standard 593:2077
1	<b>Dimension of Specimen</b>		
	Length mm	600	As per Actual
	Width mm	400	As per Actual
	Thickness mm	80	As per Actual
	Aspect Ratio mm	Not Defined	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	± 2mm	± 2mm
	Width mm	± 2mm	± 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>		
	cm <sup>2</sup>	2400	As per Actual
4	<b>Volume of Specimen</b>		
	cm <sup>3</sup>	19200	As per Actual
5	<b>Minimum Compressive Strength N/mm<sup>2</sup></b>		
	28 Days	≥ 40	40 N/mm <sup>2</sup>
6	<b>Water Absorption</b>		
	(%)	< 6%	Maximum 6%
7	<b>Dry Density</b>		
	kg/m <sup>3</sup>	2250	2250 kg/m <sup>3</sup> , ± 50 kg/m <sup>3</sup>
8	<b>Abrasion Resistance</b>		
	mm	< 2mm	Maximum 3mm
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			