

**SSGF make Mechanically woven Double Twisted Hexagonal shape wire mesh Gabion Revet Mattress Zinc+Pvc  
2.20/3.20mm Mesh Wire, 60X80mm Mesh Opening**

Sr.No	Description	Requirements			Compliance
		Mesh	Selvedge	Lacing	
<b>A</b>	<b>Wire Diameter</b>				
	Zinc Coated Wire Diameter (mm)	2.20	2.70	2.20	IS 16014:2018 table 8
	Tolerance level in diameter (mm)	(+/-)0.06	(+/-)0.07	(+/-)0.06	
<b>B</b>	<b>Tensile Strength &amp; Elongation</b>				
	Tensile Strength Requirement N/mm <sup>2</sup>	350 -550 N/mm <sup>2</sup>			IS 16014:2018 clause 6.1
	Elongation Requirement (%)	Minimum 10%			IS 16014:2018 clause 6.1
<b>C</b>	<b>Zinc Coating Requirement (gm/m<sup>2</sup>)</b>	Min 240	Min 260	Min 240	IS 16014:2018 table 8
<b>D</b>	<b>Advance Polymer / PVC Coating Thickness (mm)</b>				
	Requirement of Coating in mm	0.50	0.50	0.50	IS 16014:2018 table 1
	Min.requirement of coating in mm	0.40	0.40	0.40	
<b>E</b>	<b>Adhesion Test</b>	No Flakes After Testing			IS 16014:2018 clause 7.1.2
<b>F</b>	<b>Mesh Opening (Test as per IS 16014)</b>				
	Mesh Size, D (mm)	60			IS 16014:2018 table 9
	Tolerance	(+ 10%) TO (-10%)			
<b>G</b>	<b>Minimum Strength Requirement of Mesh Panel</b>				
(i)	Tensile Strength Parallel to Twist	34.00 kN/m			IS 16014:2018 Clause 6.2 and 11.2 and table 7
(ii)	Tensile Strength Perpendicular to Twist	13.00 kN/m			
(iii)	Selvedge Strength	10.20 kN/m			
(iv)	Punch Strength	17.80 kN/m			
(v)	Panel to Connection Strength (Lacing wire/ Fasteners)	10.20 kN/m			
<b>H</b>	<b>Tolerance in Gabion Box Sizes</b>				
	Length and width	(+ 5%) TO (-5%)			IS 16014:2018 table 1
	Height < 0.3 meter	(+ 10%) TO (-10%)			
<b>I</b>	<b>Typical Gabion Sizes</b>				
	Length X Width X Height (In meter) / <b>Number of Centre Diaphragms</b>	4X2X0.17 (3nos) , 3X2X0.17 (2nos) , 2X2X0.17 (1nos) , 4X2X0.23 (3nos) , 3X2X0.23 (2nos) , 2X2X0.23 (1nos) , 4X2X0.3 (3nos) , 3X2X0.3 (2nos) , 2X2X0.3 (1nos)			IS 16014:2018 table 1

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