

**SSGF make Mechanically woven Double Twisted Hexagonal shape Geocomposite Wire-Mesh SSGRID System
Zinc+Pvc 2.70/3.70mm Mesh Wire, 80X100mm Mesh Opening**

Sr.No	Description	Requirements			Compliance
		Mesh	Selvedge	Lacing	
A	Wire Diameter				
	Zinc Coated Wire Diameter (mm)	2.70	3.40	2.20	IS 16014:2018 table 8
	Tolerance level in diameter (mm)	(+/-)0.07	(+/-)0.09	(+/-)0.06	
B	Tensile Strength & Elongation				
	Tensile Strength Requirement N/mm ²	350 -550 N/mm ²			IS 16014:2018 clause 6.1
	Elongation Requirement (%)	Minimum 10%			IS 16014:2018 clause 6.1
C	Zinc Coating Requirement (gm/m²)	Min 260	Min 270	Min 240	IS 16014:2018 table 8
D	Advance Polymer / PVC Coating Thickness (mm)				IS 16014:2018 table 1
	Requirement of Coating in mm	0.50	0.50	0.50	
	Min.requirement of coating in mm	0.40	0.40	0.40	
E	Adhesion Test	No Flakes After Testing			IS 16014:2018 clause 7.1.2
F	Mesh Opening (Test as per IS 16014)				
	Mesh Size, D (mm)	80			IS 16014:2018 table 9
	Tolerance	(+ 10%) TO (-10%)			
G	Minimum Nominal Logtitute Tensile Strength of Mesh Panel at Peak Value				
	(i) SSGRID PVC 300mm	119 kN/m			
	(ii) SSGRID PVC 500mm	89 kN/m			
	(iii) SSGRID PVC 1000mm	73 kN/m			
H	Punch Test Performance	Punching Displacement at 50kN Punching Force	Ultimate Punching Force	Ultimate Punching Displacement	
	SSGRID PVC 300mm	<340mm	125kN	430mm	
	SSGRID PVC 500mm	<370mm	105kN	450mm	
	SSGRID PVC 1000mm	<420mm	74kN	450mm	

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