

Revet Mattress

Galvanized (GI)



A thin, wide gabion unit (also called a Reno mattress), laid flat over river beds, banks, canals and aprons. It armours the surface against flowing water and keeps protecting as the ground settles.

Wire and mesh

	GI
Mesh type	6×8 (D = 60 mm)
Mesh wire	2.20 mm
Selvedge wire	2.70 mm
Lacing wire	2.20 mm

Sizes

Length (m)	Width (m)	Thickness (m)	Diaphragms
2, 3 or 4	2	0.17, 0.23 or 0.30	one every 1 m

- Minimum zinc on the core wire (IS 16014:2024 Table 8, = IS 4826 heavy coated): 2.20 mm → 240 g/m², 2.70 mm → 260, 3.00 mm → 270, 3.40 mm → 270, 3.90 mm → 280.
- Tolerances: L and W ±5%; thickness ±10%; mesh opening D ±10%.
- Thickness is chosen from flow velocity and bank slope — see IRC:SP:116 Annexure II.

Typical uses

Bed and bank protection · canal and drain lining · launching aprons · culvert outfalls · spillway aprons

Standard: IS 16014:2024 · **Quality:** ISO 9001:2015, Cert. No. 305024011282Q
HSN: 7314 41 10 · **GST:** 18%

