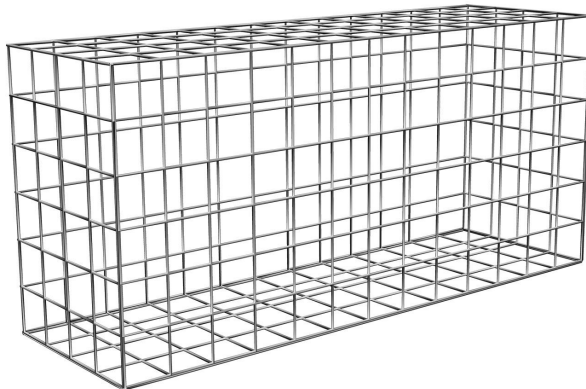


WELDED MESH GABIONS - CORROSION RESISTANCE

Product Guidance



ESTIMATED SERVICE LIFE IN ACCORDANCE WITH BS EN 10223-8:2013

Environmental Classification EN ISO 9223:2012, Table 1	Galfan® Class A BS EN 10244-2:2023	Organic Polymer Coating BS EN 10245-1:2011	Assumed Design Life Until 5% DBR* Coverage
C2 - Low aggressive Dry conditions	✓	✗	>50
C3 - Medium aggressive Dry conditions	✓	✗	25
	✓	✓	120
C4 - High aggressive Wet conditions	✓	✗	10
	✓	✓	120
C5 - High aggressive Wet conditions	✓	✓	120
CX Extreme aggressive	✓	✓	>50

WIRE & COATING OPTIONS

Welded mesh gabions are available in a range of specifications to suit different design lives and environmental conditions.

All welded gabions use Galfan® coated wire (95% zinc, 5% aluminium and misch metals), providing up to 3× the corrosion protection of traditional hot-dip galvanizing at the same coating weight. The coating is applied in accordance with BS EN 10244-2:2023 Class A.

Galfan coated gabions are available in 3mm, 4mm and 5mm wire mesh. Thicker wire produces stiffer panels that are less likely to bulge during installation. Thinner wire reduces cost but is more flexible. Larger wire is recommended for less experienced installers, while experienced installers can hand-fill thinner mesh gabions more easily.

For harsh environments, PVC coated gabions are available with an additional protective coating. The powder-coated PVC finish provides extra corrosion protection and helps keep any minor transport or installation damage local to the affected area.

Panels are cut using a press brake or guillotine shear. During cutting, the protective coating is spread over the exposed wire ends, reducing corrosion risk.