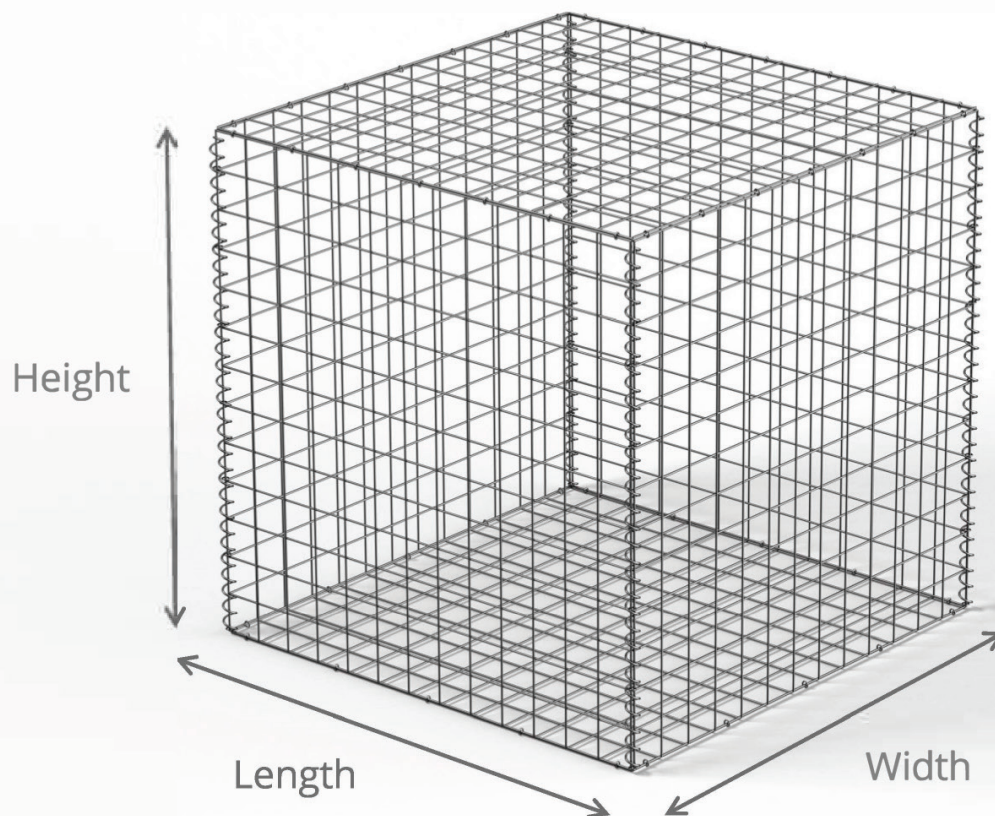


TECHNICAL DATA SHEET

Galfan® Coated Welded Mesh Gabions 3.00mmØ

Product Ref: ENV-BAW-GF3-GAB



Typical single unit gabion sizes: (nominal), (non-standard unit in multiples of 75mm are available upon request)

Length (m)	Width (m)	Height (m)
0.975, 1.350, 1.650, 2.025	0.450, 0.675, 0.975, 1.350 1.650, 2.025	0.300, 0.450, 0.675, 0.975

*In terms of salt spray performance (EN ISO 9227), it means that the mesh samples shall not show more than 5% of DBR (Dark Brown Rust) after 2000 h exposure on the surface. When subjected to test in sulphur dioxide environment (EN ISO 6988), mesh samples shall not show more than 5 % of DBR (Dark Brown Rust) after 56 cycles of discontinuous test on the surface. Assumed working life values will be therefore improved depending upon the prevailing conditions.

This product is covered by the following British Board of Agrément Certificate:

BBA Certificate	05/4215	LME Welded Mesh Gabion Boxes & Mattresses
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Physical Characteristics

Mesh specification	75mm x 75mm, square aperture, 3.00mmØ electrically welded
Wire tensile strength	540-770N/mm ²
Metallic coatings	Galfan® (Zn95%/Al5% - class A)
Weld strength	Average 75% of wire tensile strength over 4 welds, no single weld being less than 50%.
Assumed working life of the product (years) according to EN10223-8 table A.1	Class C2 >50 Years* BBA certificate supplementary data states > 70 Years.
	Class C3 25 Years*
	Class C4 10 Years*

This product complies with the following international standards:

Gabion manufacture	BSEN 10223-8:2013	Steel wire and wire products for fencing & netting - Part 8: Welded mesh gabion products
Wire tolerances	BSEN 10228-2:2012	Part 2: Wire dimensions & tolerances
Metallic coatings	BSEN 10244-2:2009	Part 2: Zinc or zinc alloy coatings

Manufacture:

Gabion assembly	Penfold Gabion: front, rear, ends & diaphragm panels are connected to the base and flat packed for transport. Lids may be factory fitted or supplied separately.
Factory panel assembly method	Galfan® coated CL50 rings at a maximum of 225mm spacings.
Internal diaphragms	Introduced when any dimension is >1500mm. Depending on dimensions, diaphragms may not be centralised.

Compatible Accessories:

Accessory	Use	Specification	Size (Nominal)
Galfan® coated Helical Binders	Simultaneous assembly & connection of gabions. Vertical joints only.	3.00mmØ Galfan® (Class A) 550-770N/mm ²	686mm & 990mm Length (+/-5mm) Open ground ends ID 21mm (+/-2mm) OD 27mm (+/-2mm)
Galfan® coated CL50 Hog Rings/C Clips	Assembly gabions Connection of assembled gabions 1 clip every 150mm unless otherwise stated by design	3.00mmØ Galfan® (Class A) 1750-1950N/mm ²	45mm x 24mm
Galfan® coated lacing wire	Assembly of gabions Connection of assembled gabions Internal bracing wires (see installation guide for full details)	2.20mmØ Galfan® (Class A) 380-550N/mm ²	1 kg & 5kg catchweight coils
Galfan® coated pre-formed Corner Ties	Internal bracing wires	3.00mmØ Galfan® (Class A) 540-770N/mm ²	J shaped 610mm x 15mm x 85mm

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