



**GABION WALLS  
AUSTRALIA**

# **SPECIFICATION**

4mm Galfan 50x50

## **Manufacture**

Produced from hard drawn steel wire electrically welded at each intersection.

## **Mesh Aperture**

The mesh openings shall be square and of a nominal dimension of 50mm centre to centre, resulting in a 441 individual welds per 1 sqm.

## **Mesh Wire**

The nominal wire diameter shall be 4mm.

## **Coating**

Wire shall be high density Galfan coated (Zn-5AL-MM) with a minimum of 275 g/sqm as per ASTM A974-97.

## **Tensile Strength**

The tensile strength shall be in the range of 450-620 MPa as per ASTM A974-97

## **Weld Shear Strength**

The weld strength is to be 70% of the ultimate tensile strength of the wire as per ASTM A974-97

## **Spiral Binders**

Spiral binders shall be the preferred method of panel connectivity. Each spiral binder shall pass through the aperture of the mesh twice per opening ensuring a connection at every 25mm interval.



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# **DATASHEET**

4mm Galfan 50x50

	<b>Result</b>
<b>Type</b>	Welded Wire Mesh
<b>Mesh Pattern</b>	Bi-axial grid
<b>Mesh Size</b>	50 x 50mm (centre to centre)
<b>Finish</b>	Galfan (Zn-5AL-MM)
<b>Wire Diameter</b>	4 mm
<b>Wire Diameter Tolerance</b>	+/- 0.08 mm
<b>Wire Coating Thickness (Average)</b>	101.5 µm
<b>Tensile Strength (Average)</b>	452 MPa
<b>Shear Strength (Average)</b>	5.35 Nm

Complies to ASTM 974-97 for welded wire mesh gabions  
Complies to ASTM 856 for Zinc 5% AL-MM carbon steel wire

Tensile strength shall be in the range of 450-620 N/mm<sup>2</sup>.

Elongation is not less than 10%

Coating weight as per B2442 EN10244-2:2001 (minimum of 275g/m<sup>2</sup>)

Gabions shall be provided with bracing wire and helical spirals for site assembly.

1800 87 00 47

[www.gabionwalls.com.au](http://www.gabionwalls.com.au)