

Permathene Gabion Specification

Gabion, AL-TEN (Al 10%, Zn 90%), Australian manufactured weld mesh.

Production values indicated (average based on 25 tonnes).

Type: Al 10%, Zn 90%

	4mm	5mm
Wire diameter (average)	4.01	4.98
Wire diameter tolerance	+/- 0.08mm	+/- 0.05mm
Wire coating (average)	337g/m ²	317g/m ²
Ultimate tensile strength (wire, average)	442 MPa	427 MPa

Permathene gabion meets or exceeds ASTM 974-97 for welded mesh gabions which specifies:

Tensile Strength: The steel wire used shall have a tensile strength between 350-750N/mm².

Elongation: Elongation shall not be less than 10%.

Weld Shear Strength: The depth of the weld pot to be not less than 15% of wire ID.

Weld shear strength to reach a minimum of 50% of wire tensile strength.

Minimum metallic coatings: As per BS443 EN10244-2:2001, Table 2, Class A. 4mm (minimum coating 275g/m²).



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