



**GABION**  
3.0 GALMAC®


**Gabions** are baskets manufactured from double twisted hexagonal woven steel wire mesh type 8x10, made of GalMac® (Zn - Al5% alloy) coated steel wire. Units are produced in compliance with the Construction Products (Amendment etc.)(EU Exit) Regulations 2020 on the basis of UKAD 200019-00-0102 and UKTA-0836-22/0019.

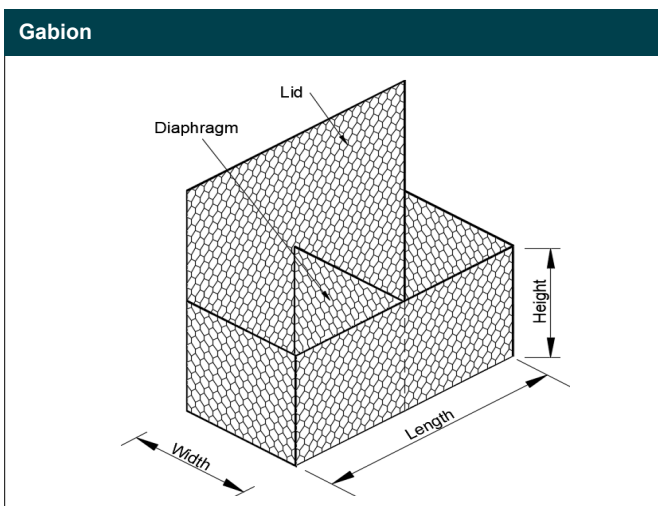
GABION PERFORMANCE			8x10 3.0 HT GALMAC
<b>Physical Properties</b>			
Steel wire diameter	EN 10218-2	mm	<b>3.00</b>
Selvedge wire diameter	EN 10218-2	mm	<b>3.90</b>
Galmac coating	EN 10244-2	Class	<b>Class A</b>
<b>Mechanical Performances</b>			
Nominal Mesh Tensile Strength	EN 10223-3	kN/m	<b>60</b>
Gabion Serviceability Coefficient (GSC)	--		<b>356 (h=0.5 m)</b> <b>178 (h=1.0 m)</b> 
<b>Durability Performances</b>			
SO <sub>2</sub> corrosion resistance	ISO 6988	Cycles	<b>&gt; 28</b>
Salt Spray (5% DBR)	ISO 9227	Hours	<b>&gt; 1,000</b>
<b>Environmental and Sustainability Properties</b>			
Global Warming Potential (GWP <sub>100 yrs</sub> ) <sup>(1)</sup>	EN 15804	kgCO <sub>2</sub> equiv / Kg product	<b>&lt; 9.06x10<sup>-1</sup></b>

**DESIGN THE CHANGE**



The **Gabion Serviceability Coefficient (GSC)** is the global design factor to evaluate the performance of the gabion structure and the consequent deformation after 120 years of service life, in category C4 according to ISO 9224. GSC considers the degradation effects due to chemical aggressions, installation damage, UV rays exposure, temperature variations and abrasion. Use Maccaferri **GAWAC software** to effectively utilize the GSC in the design of gabion walls.





Gabion sizes		
Length (m)	Width (m)	Height (m)
1	1	1
2	1	0.5
1.5	1	1
1.5	1	0.5
2	1	1
2	0.5	0.5
3*	1	1
4*	1	1

Sizes and dimensions are nominal. Tolerances of ± 5% shall be permitted.  
(\*Special order only)

**Accessories (\*):**

- Galmac coated Steel C-Rings:**
- Diameter: 3.00 mm
  - Tensile strength > 1,720 MPa
  - Pull-apart strength > 2.0 kN
  - Max spacings: 200 mm
- Bracing ties: Steel wire or preformed self locking ties (i.e. MacTie)**

(\*) The accessories are NOT included, unless explicitly mentioned in the price offer. For additional details, see the installation manual.



Download the EPD from [maccaferri.com/EPD](http://maccaferri.com/EPD)



Download the digital model for free on [bimstore](http://bimstore) or on [maccaferri.com/BIM](http://maccaferri.com/BIM)



UKTA-0836-22/0019



0836-CPR-24/F7078

(1) Value reported in the EPD certificate S-P-01465 issued in accordance with ISO 14025 and EN 15804+A1 to Maccaferri with reference to the Gabions product family with validity till December 2023.

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