MACCAFERRI

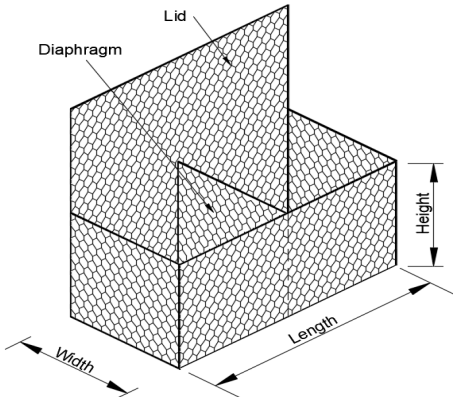
TECHNICAL DATA SHEET
Rev: 01, Date 29.07.2021

GABION
2.7 POLIMAC®

Gabions are baskets manufactured from double twisted hexagonal woven steel wire mesh type 8x10, made of PoliMac® coated steel wire. Units are produced in compliance with EN 10223-3.

GABION PERFORMANCES			8x10 2.7 POLIMAC
Physical Properties			
Steel wire diameter (int. / ext.)	EN 10218-2	mm	**2.70 / 3.70**
Selvedge wire diameter (int. / ext.)	EN 10218-2	mm	**3.40 / 4.40**
Galmac coating	EN 10244-2	Class	**Class A**
Concentricity of PoliMac® coating	EN 10245-3	%	**>60**
Durability Performances			
SO_2 corrosion resistance	ISO 6988	Cycles	**> 28**
Salt Spray (5% DBR)	ISO 9227	Hours	**> 6,000**
UV resistance (@ 2,500 hours) (1)	ISO 4892-3	%	**< 25**
Abrasion resistance (2)	EN 60229	Cycles	**> 100,000**
Environmental and Sustainability Properties			
Global Warming Potential ($GWP_{100\ yrs}$)(3)	EN 15804	$kgCO2_{equiv}$ / Kg $_{product}$	**< $9.06x10^{-1}$**

Gabion



Gabion sizes

Length (m)	Width (m)	Height (m)
2	0.5	0.5
2	1	0.5
2	1	1
1.5	1	1

Sizes and dimensions are nominal. Tolerances of ± 5% shall be permitted.

Accessories (*):

Stainless Steel C-Rings:
- Diameter: 3.00 mm
- Tensile strength > 1,550 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.

EPD® Certification Number SP 01465

Download the EPD from maccaferri.com/EPD

bimstore

Download the digital model for free on bimstore or on maccaferri.com/BIM

BBA APPROVAL INSPECTION TESTING CERTIFICATION TECHNICAL APPROVALS FOR CONSTRUCTION

(1) UTS/elongation @ break of the base compound after 2,500 hrs exposure to QUV-A do not change more than 25% from initial test results.
(2) Tested in accordance with procedure described in par. 4.1.2.1 of EN 60229 with a vertical force of the steel angle of 20 N
(3) 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. This EPD describes the impacts of the Gabions produced in Italy and Slovakia.

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Maccaferri operates under strict quality assurance and management procedures.