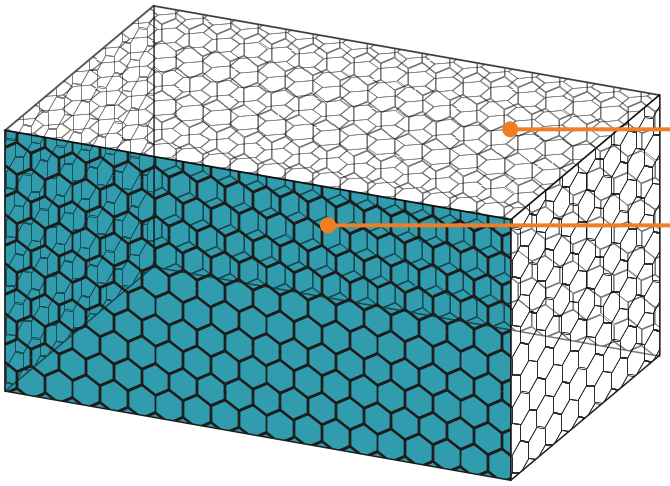
GABION STRONG FACE

MACCAFERRI

GABION STRONG FACE

MORE RESISTANCE WHERE REQUIRED



Gabion Strong Face combines 2 different wire diameters:

Light wire diameter
on the rear confined faces

Thick wire diameter
on the front exposed faces

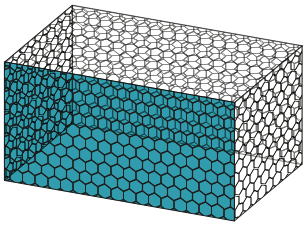
FORCEFULL
Bulked up on the front face where more performance is required.

EFFECTIVE
Lightened on the rear faces for a better weight distribution.

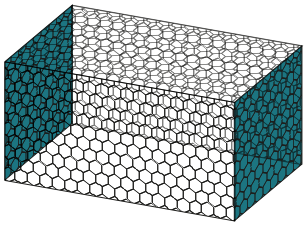
Gabion Strong Face is available in different configuration:

1. **Reinforced front face**
2. **Reinforced lateral face**

Different combination of wire diameter are available.



1.



2.

DESIGN THE CHANGE

Strong Face Gabions are the outcome of experimental and numerical test campaign, a projects that puts the long-term economical and environmental impacts of a structure at the centre of the design activity.

MORE PERFOMANCE, HIGHER SAVINGS

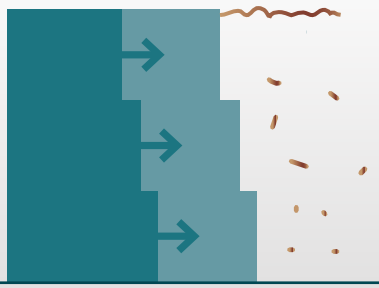
GABION SERVICEABILITY COEFFICIENT (GSC)
COST-EFFECTIVE DESIGN

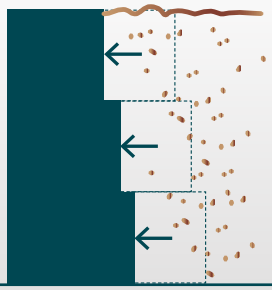
The Gabion Serviceability Coefficient (GSC) is the experimental parameter that is used to evaluate deformations and degradation that can occur to the gabion units over the time, aimed at maximising the performance of the gabion structure at 120 years.

GABION STRONG FACE

INNOVATIVE GABION TO MAXIMISE PERFORMANCE AND COST-SAVINGS

GABION WALL
With GalMac Gabions





GABION WALL
With Gabion Strong Face PoliMac coated

LESS GABIONS

Thanks to the Gabion Strong Face outstanding performance, the cross section of the wall can be reshaped

Over 25%
of savings per linear meter of gabion wall

LESS STONES

The use of better performing gabions reduces the need of stones to meet 120 years serviceability requirements

Up to 25%
of stone savings per linear meter of gabion wall

FASTER INSTALLATION

A smaller cross section requires less time to be completed

Up to 30%
faster installation

LOWER ENVIRONMENTAL IMPACTS

The use of Gabion Strong Face reduces the resources needed to build the Gabion wall, drastically cutting the environmental burden

Over 25%
of CO_2 savings per linear meter of gabion wall

Figures presented herein refers to the case of a 6-m high Gabion Wall that meets serviceability requirements at 120 years. Benefits can be even larger according to specific site conditions.

GAWAC 3.0
Gabion Wall Design
2020

Download GAWAC software to design with GSC

EPD®
Certification Number SP 01465

Maccaferri is committed to communicate reliable and comparable information about the life cycle environmental impacts of products.

Our products are certified and tested by leading institutes and in accordance with the latest guidelines and standards (ETAG027, EN10223-3, ISO 17746, ISO 17745). Product certifications include CE mark, BBA Agrément Certificate, NF mark, COPRO mark, and BAFU-FOEN homologation for snow-barriers. For more information contact our certification office.

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