

Gabion wire for rock-solid lifetime

Bezinal®5000

Benefits

- 1 Long lifetime up to 100 years
- 2 Resistant to the most demanding environments
- 3 Optimal processability

Why choose Bekaert?

The wire drawing and coating specialist

Bekaert has the flexibility, experience and capabilities to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 130 years, serving customers in over 120 countries.

In-house R&D

To keep up with industries' evolving needs, we are strongly committed to innovation. Together with customers, independent research partners and in-house research facilities we are constantly creating new solutions.

100-year corrosion protection

The long-term value of Bekaert gabion wire comes from its unique Bezinal®5000 zinc/aluminum coating. This offers 100-year corrosion resistance, which is far longer than all other Zn/Al wires on the market. In addition, it provides excellent cathodic protection to both the cut ends and the uncovered parts of your gabion.



Outstanding, certified performance

Your gabion needs to be protected against the most demanding environments. To ensure this, our gabion wire meets and in some cases exceeds market standards. Bekaert works exclusively with Rothfuss Best Gabion, the first company to bear the "GABIONEN" quality mark certified by RAL (German Institute for Quality Assurance and Labelling). This ensures that you enjoy the best of the best in terms of gabion solutions.



Atmospheric corrosive exposure

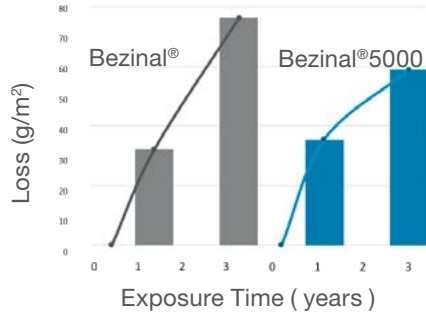
In tests conducted in C5 (very highly corrosive marine and industrial) environments, Bezinal®5000 was found to have the lowest coating weight loss over time compared to standard Bezinal®.

In a study started 3 years ago, test samples show the excellent resistance of the Bezinal®5000 coating in the structure. Therefore the conclusion about long-term behavior can be made: Bezinal®5000 has been validated for 100-year of life time.

Resistant to soil corrosion

Bezinal®5000 also displays the lowest coating weight loss in different soil conditions compared to standard Bezinal®. Tests demonstrate that even after 10 years the coating weight remains stable at 333 g/m² above ground and 271 g/m² when placed 50 cm underground.

LOSS OF WEIGHT OF THE METALLIC COATING



High quality externally validated

Your gabion needs to resist the most demanding environments. The constantly high and reproducible quality of Bezinal®5000 wire – and the spot-welded gabion grids constructed with it – ensure lifetime protection of your gabion structures. Our gabion wire meets and in some cases exceeds market standards, and is subject to regular external performance monitoring.

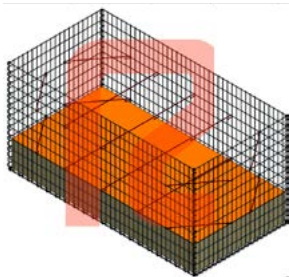
Technical specification

Bezinal®5000 wire:

(According to EN 16120-2)

- Hard grades: 550 – 900 N/mm²
- Diameter: 3.5 – 6.0 mm, tolerances according to EN 10218-2
- Coating weight: On the basis of EN 10244-2
- Surface treatment: Standard wax-free; can be waxed on request

Bezinal®5000 gabion grid:



Length:	500 – 3000 mm
Width:	500 mm and 1000 mm
Wire diameter:	3.5 mm - 6.00 mm
Standard mesh:	100 x 100 mm, 100 x 50 mm
Special dimensions on request	



More
information?

bekaert.com/welded-gabion

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BEST GABION
The Experts for Gabions

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