

Gabion Testing, Manufacturing Standards & Certification

CERTIFIED SUPPLY CHAIN COMPLIANCE

Last updated: October 2026

We dispatch welded gabions out of our shared Burton-on-Trent facility alongside our partner company, Enviromesh. All BBA-approved cages are produced in partnership with certificate holder Link Middle East Ltd (BBA 05/4215), complying strictly with British and European civil engineering standards.

Almost a decade of selling gabions

We have been supplying gabions to the market since 2018, and we know our stuff. The gabion information on this site is based on almost a decade of hands-on experience. When we write a product guide or produce a video, it is always based on real-world experience. We don't just write from behind a desk without actually using the products. You can find examples of this on our [gabion blog](#), [gabion video hub](#) and [gabion playlist on our YouTube channel](#). We do this so that you can be sure the product information is accurate and reliable.

Customer projects

Please also find our [customer case studies](#). You will find everything from [customers who have built retaining walls](#) to [residential landscaping projects](#), [public seating areas](#), [outdoor classrooms](#), [decking areas](#), and even a backdrop to [Dezeen's annual award ceremony](#).

Our gabions have appeared on TV

Our gabions have also been featured on ITV's Love Your Garden, hosted by Alan Titchmarsh in [2021](#) and [2023](#), as well as the 2025 BBC Gardeners' World Spring Fair, helping [Plumpton College win the Visitors' Choice Best Showcase Garden Award](#).

1. On-Site Production

We custom fabricate and stock thousands of certified gabions directly at our UK facility. All of our gabions are fabricated in Burton-on-Trent from the same BBA-assessed Link Middle East mesh panels.

In-House Gabion Manufacturing Team

Video: [Watch the video on YouTube](#)

This is our team fabricating and clipping gabion panels on-site.

Burton-on-Trent Walkthrough

Video: [Watch the video on YouTube](#)

This is a tour of our physical warehouse location showing 10,000s of gabion panels in stock ready for dispatch.

Commercial Project Showcase

Video: [Watch the video on YouTube](#)

This is a showcase of retaining-wall installations and civil engineering projects featuring our certified cages.

2. Certificates (PDF)

Download copies of the independent certificates that cover our gabions. Our product specifications are set out in the tables below.

- [BBA Certificate 05/4215 – Structural Engineering Approval \(PDF\)](#)
- [ISO 9001:2015 Quality Management Certificate, held by Enviromesh \(PDF\)](#)

3. British & European (BS EN / ISO) Standards Compliance

Our gabion cages are manufactured, tested, and specified in accordance with the following official engineering frameworks:

Standard Reference	What the Standard Governs	How Our Gabions Comply
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<p>BBA Certificate</p> <p>05/4215</p> 	<p>British Board of Agrément</p> <p>third-party assessment of LME</p> <p>welded mesh gabion boxes</p> <p>and mattresses for earth</p> <p>retention, erosion control,</p> <p>cladding and free-standing</p> <p>walls.</p>	<p>Certificate held by our manufacturing partner Link Middle East Ltd; the gabions are supplied in the UK by Enviromesh. Expected life: over 70 years (3mm wire) and over 80 years (4mm and 5mm wire) for Galfan-coated gabions in mild inland conditions, and up to 120 years for PVC-coated gabions in dry land-retaining walls (Section 8)</p> <p>Address Note: The BBA certificate shows Enviromesh's original registered address (Cartwright Industrial Estate). Enviromesh has since moved to Fauld Lane Industrial Park, Burton-on-Trent (DE13 9HS). The certificate itself is unchanged.</p>
<p>ISO 9001:2015</p> <p>(1UK/1/8653936469)</p>	<p>Quality Management Systems</p> <p>for manufacturing, design, and</p> <p>distribution.</p>	<p>Held by our partner company Enviromesh for the design, manufacture and distribution of gabions at our shared Burton-on-Trent facility. Certified by Peers Quality Assurance Ltd, valid until June 2028.</p>
<p>BS EN 10223-8:2013</p>	<p>Specifies wire tensile strength,</p> <p>75mm x 75mm mesh aperture</p> <p>tolerances, and minimum 75%</p> <p>weld shear strength.</p>	<p>Our mesh: 75mm × 75mm aperture, wire tensile strength 540–770 N/mm², welds at least 75% of the wire's tensile strength</p> <p>Supplier evidence: Manufacturer's specification</p>
<p>BS EN 10244-2:2009</p> <p>(Class A Coating)</p>	<p>Non-ferrous metallic coatings</p> <p>on steel wire including Zinc or</p> <p>Zinc-Aluminium alloy coatings.</p>	<p>All wire is Galfan coated (95% zinc and 5% aluminium), achieving Class A heavy coating weight for corrosion resistance.</p> <p>Supplier evidence: Manufacturer's specification</p>
<p>BS EN 10218-2:2012</p>	<p>Steel wire and wire products</p> <p>including wire dimensions and</p> <p>diameter tolerances.</p>	<p>Wire diameters are made to strict tolerances across our range: 3mm, 4mm and 5mm Galfan-coated wire, and the steel core of our 3.2mm and 4.3mm PVC-coated wire.</p> <p>Supplier evidence: Manufacturer's specification</p>

BS EN 10245-1 & 10245-2:2011	Organic coatings on steel wire. Part 1 sets the general rules; Part 2 covers PVC-coated wire, including coating thickness, adhesion and resistance to ageing.	Our PVC-coated gabions have a grey polymer coating applied over Galfan-coated wire, giving two layers of protection. That's why they're our choice for coastal, salt-water and polluted sites, with an expected life of up to 120 years (BBA Certificate 05/4215). 2.7mm and 3.8mm Galfan steel cores with a grey plastic coating, giving 3.2mm and 4.3mm overall. Supplier evidence: Manufacturer's specification
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Batch test certificates for wire strength and coating weight are available on request: call 0330 124 3556 or email info@wirefence.co.uk

Batch Testing Wire Diameters

Video: [Watch the video on YouTube](#)

This is a walkthrough testing the gabion baskets for accurate wire diameter tolerances to ensure BBA and BS EN 10218-2 tolerances are being met before the baskets are made.

4. Gabion Stone Standards & Sourcing

Our gabion stone comes from two UK suppliers, Holcim UK and Marchington Stone. Class 6G is the gabion fill classification in the [Specification for Highway Works](#), the standard used for UK road schemes: fill must be hard, durable, not frost susceptible and no larger than 200mm.

Stone & Source	Grading	How It Complies	Supplier Evidence
Granite Holcim UK, Bardon Hill Quarry, Leicestershire	63–180mm (about 82% over 80mm)	Class 6G. Very hard (Los Angeles coefficient 11, against a 6G limit of 50). Very low water absorption (0.2%), so frost resistant. Holcim UK is certified to BES 6001 for responsible sourcing, covering Bardon Hill.	Granite datasheet (PDF) Holcim BES 6001 certificate

Stone & Source	Grading	How It Complies	Supplier Evidence
Limestone Marchington Stone, Dove Holes, Derbyshire	75–150mm (about 88% over 80mm)	Class 6G (Marchington grading, Feb 2026). Los Angeles coefficient 24. Very low water absorption (0.1%), so frost resistant. Tested by a UKAS-accredited lab.	Limestone grading (PDF) Dove Holes test certificate (PDF)
Gritstone Marchington Stone, Shire Hill Quarry, Glossop	100–200mm	Class 6G. Los Angeles coefficient 39, within the 6G limit of 50.	Gritstone grading (PDF)

How we describe stone size: quarries grade stone by sieving it to measure how wide each stone is. Every bag has a few smaller pieces, so on our product pages we show the size most stones are: about 82% of our granite and 88% of our limestone is over 80mm, and nearly all of our gritstone is over 80mm. Some stones are also longer than they are wide, so you may find the odd one bigger than the range.

Content Verification & Expert Review

Compiled by Customer Support Manager [Gyopi \(Joy\) Veres](#) and Sales Support Specialist [Erno Szabo](#), verified by our Founder [John Marlen-Summers](#), and fact-checked for engineering compliance by [Richard Kennedy](#), Technical Director at [Enviromesh](#).

Need Certified Gabions for Your Site?

Browse our full range of BBA-approved gabion baskets, or [contact us](#) for a bulk quote.

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