

**Pound for pound,
Galvanized After Weave fabric (GAW)
is the best value in chain link fencing.**



**Nothing beats the complete zinc coating
of GAW chain link fabric in durability
and rust-prevention.**

Ask for GAW Everytime

GAW Chain Link Fence Fabric provides exceptional security and protection in commercial, industrial, institutional, recreational and residential fencing applications. GAW also provides the best protection against corrosion in even the most severe coastal industrial environments. Hot dip zinc galvanizing is a simple process with over 200 years of proven effectiveness in millions of applications worldwide.

There are other zinc galvanizing processes and other metallic coatings. None surpass GAW in durability and protection. It's a premium product providing superior corrosion—and rust-resistance that doesn't cost a premium price.

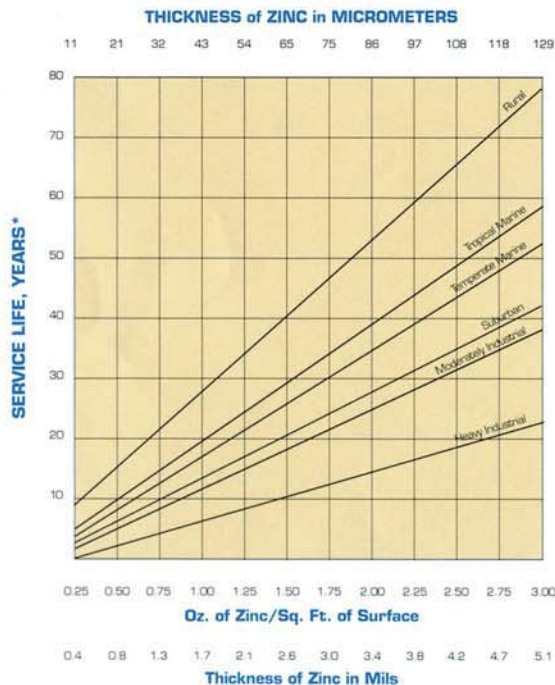
The Importance of GAW

GAW fabric is the only chain link fabric that's coated after weaving, ensuring that all surfaces of the base metal are protected. With GAW coatings, you have complete protection against rust and corrosion and an additional after coating treatment is applied to prevent white rust and early deterioration.

With any pre-coated wire, the weaving process leaves the twist and knuckle tips bare from trimming. Cut ends may be dipped in other materials, but they are no substitute in protection for the thorough zinc coating of the GAW process.

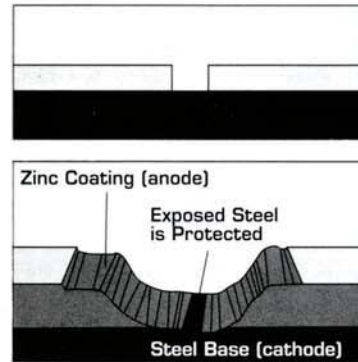
The Durability of GAW

Fabric galvanized after weaving is manufactured to the demanding requirements of ASTM specification A 392, which offers two classes of coating: Class 1—1.2 ounces (366 g/m²) of zinc coating per sq. ft.; and Class 2—2.0 ounces (610 g/m²) of zinc coating per sq. ft. The effective service life of a fabric is directly related to the coating thickness—the thicker the coating, the longer the life. A Class 2 GAW coating is unsurpassed among metallic chain link fence coatings in providing long-term barrier and cathodic protection. That's a value you can measure.



* Service Life is defined as the time to 5% rusting of the steel surface.

Chart used with permission of the American Galvanizers Association.



This is what happens to a scratch on galvanized steel. The zinc coating sacrifices itself slowly by galvanic action to protect the base steel. This sacrificial action continues as long as any zinc remains in the immediate area.

The "Self-Healing" of GAW

All zinc coatings have "self-healing," or cathodic properties which protect exposed core metal. Even after years of wear, the remaining zinc stays active. Of all metals used for protective coating of steel, zinc is the most electrochemically active, in all environments, from mild rural to harsh marine and heavy industrial.

In other words, zinc provides a far superior coating in both barrier and cathodic protection...and GAW fabric provides the best of both.



The Finish of GAW

Committed to their product, GAW producers assure you of chain link fabric with a complete coating. A continuous vertical dip and retrieval process removes excess zinc and keeps joints from welding.

The Value of GAW

When specifying chain link fabric, insist on GAW produced in accordance with ASTM A 392. If you're looking for durability and rust-prevention, there's no better chain link fencing than GAW. Fewer long-term maintenance problems mean lower long-term costs and greater life-cycle savings. Pound for pound, GAW fabric is by far your best value.

GAW Benefits

1. Zinc-based process offers the most active cathodic protection
2. Heavier and more thorough coating with no flaking or bare trim ends
3. Additional protective coating to prevent white rust
4. All components of GAW fence systems are zinc coated
5. Consistently meets ASTM specifications
6. Established manufacturers produce consistent quality
7. Proven technology for 200 years
8. National availability, with warranties from many manufacturers
9. Lower long-term costs
10. Fewer long-term maintenance problems



Left: Precoated fabric with uncoated tips. With pre-coated fabric some manufacturers coat the bare cut-ends, but many don't. No one coats the ends with the same material that protects the rest of the fabric.



Right: GAW fabric. The GAW process guarantees that cut ends will be coated with the same quality material and protection as the rest of the fabric. The pre-coated process provides no such guarantee.

GAW Chain Link Fencing! A popular choice of landscape architects.

GAW Chain Link Fencing is resistant to defacement and offers total visibility. But when combined with landscaping, chain link provides an attractive visual barrier while maintaining security.



SPECIFICATIONS

1. Description of Terms

- 1.1 **Chain Link Fence Fabric**—A fencing material from steel wire helically wound and interwoven in such a manner as to provide a continuous mesh without knots or ties except in the form of knuckling or of twisting the ends of the wires to form the selvage of the fabric.
- 1.2 **Knuckling**—This term is used to describe the type of selvage obtained by interlocking adjacent pairs of wire ends and then bending the wire ends back into a closed loop.
- 1.3 **Twisting**—The term is used to describe the type of selvage obtained by twisting adjacent pairs of wire ends together in a closed helix of 1-1/2 machine turns, which is equivalent to three full twists, and cuffing the wire ends at a sharp angle to provide sharp points. The wire ends beyond the twist shall be at least 1/4 inch (6.4 mm) long.
- 1.4 **Diamond Count**—A term used to designate the number of mesh openings in each height of fabric.

2. Requirements

2.1 Materials

- 2.1.1 The base metal from which the wire for the fabric is drawn shall be good commercial steel rod.
- 2.1.2 **Zinc Coating**—Applied by the hot dipped process after weaving, the zinc coating on the fabric may be ordered in two coating weight classes, as Class 1—the weight of zinc coating shall not be less than 1.2 oz./ft.² (366 g/m²) of uncoated wire surface; or Class 2—the weight of zinc coating shall not be less than 2 oz./ft.² (610 g/m²) of uncoated wire surface as determined from the average of results of two or more specimens, and not less than 1.8 oz./ft.² (549 g/m²) of uncoated wire surface for any individual specimen. Fabric is normally not produced with a Class 2 coating on 11 ga. (.120") (3 mm) or 11 1/2 ga. (.113") (2.9 mm) wire. The weight of the zinc coatings shall be determined in accordance with 3.2. The zinc used for the coating shall conform to the grades specified in ASTM Designation B6, Standard Specification for Slab Zinc.

2.2 Fabric Sizes—The height, diamond count, size of mesh, and wire diameters of chain link fabric shall be as given in the Table. The methods of measurement and tolerances are given in 2.2.1., 2.2.2 and 2.2.3.

2.2.1 Height of Fabric—The height of the fabric shall be the overall dimension from ends of twists or knuckles. The tolerance of the nominal height shall be plus or minus one inch (25.4 mm).

2.2.2 Mesh Sizes—The size of mesh shall conform to the requirements as shown in the Table. The permissible variation from the specified size of mesh shall be ± 1/8 in. (3.2 mm) for all mesh sizes over 1 in. (25.4 mm) and ± 1/16 in. (1.6 mm) for all mesh sizes 1 in. (25.4 mm) and under.

2.2.3 Wire Diameter—The diameter of the coated wire shall be determined as the average of two readings measured to the nearest 0.001 inch (.03 mm) taken at right angles to each other on the straight portion of the parallel sides of the mesh. The tolerance in the diameter of the coated wire shall be plus or minus 0.005 inch (.13 mm)

2.3 Selvage—Fabric with 2 inch (50.8 mm) or 2-1/4 inch (57.2 mm) mesh, in heights less than 72 inches (1830 mm) shall be knuckled at both selvages. Fabric 72 inches (1830 mm) high and over shall be knuckled at one selvage and twisted at the other. These are the standard selvages. Other selvage combinations will be supplied only if specified by the purchaser.

Caution: Twisted selvages for fences under 72 inches (1830 mm) in height are not recommended because of consumer safety considerations.

The selvages of fabrics with meshes of less than 2 inches (50.8 mm) shall be knuckled on both edges.

2.4 Workmanship—Chain link fence fabric shall be produced by methods recognized as good commercial practice. The metallic coating shall be applied in a continuous process and shall not be applied to the fabric in roll form.

3. Test

3.1 Breaking Strength—See the Table—The break strength of the fabric shall be determined in accordance with the method described in ASTM A370, using one specimen from each sample roll. Specimens to establish conformance to this requirement shall constitute individual pickets from a section of the fence fabric of a sufficient length so as to measure 15-18 inches (381 mm-457 mm) after straightening. The straightened portion of the specimen shall be inside the jaws of the tensile testing machine so that the actual test is performed on the underformed section between the jaws. If fracture takes place, other than between the grips, the test shall be discarded.

3.2 Weight of Zinc Coating—The weight of zinc coating on the fabric shall be determined in accordance with the method described in ASTM Designation A90, using one piece of wire removed from the fabric of each sample roll.

Fabric Size Table

Recommended Usage	Height of Fabric										Size of Mesh	Gage, Coated Wire	Nominal Diameter Coated Wire	Minimum Breaking Strength lb. (N)
	36" (910 mm)	42" (1070 mm)	48" (1220 mm)	60" (1520 mm)	72" (1830 mm)	84" (2130 mm)	96" (2440 mm)	120" (3050 mm)	144" (3660 mm)	180" (4570 mm)				
Heavy Industrial Diamond Count	10 1/2	12 1/2	13 1/2	17 1/2	20 1/2	24 1/2	27 1/2	34 1/2	41 1/2	2"	6	0.192" (4.8 mm)	2170 (9852)	
Standard Industrial Diamond Count	10 1/2	12 1/2	13 1/2	17 1/2	20 1/2	24 1/2	27 1/2	34 1/2	41 1/2	2"	9	0.148" (3.7 mm)	1290 (5740)	
Light Industrial Diamond Count	10 1/2	12 1/2	14 1/2	17 1/2	20 1/2	24 1/2				2"	11	0.120" (3.0 mm)	850 (3780)	
Standard Residential Diamond Count	10 1/2	12 1/2	14 1/2	17 1/2	20 1/2	24 1/2				2"	11	0.113" (2.8 mm)	750 (3340)	
Light Residential Diamond Count	9 1/2	11 1/2	13 1/2	16 1/2						2 1/2"	11 1/2	0.113" (2.8 mm)	750 (3340)	
Tennis Court Diamond Count	39 1/2	47 1/2								1 1/2"	11	0.120" (3.0 mm)	850 (3780)	

Specifying Information

Sample	Height	Mesh Size	Gage Coated Wire	Selvage	ASTM A392 Class of Coating	Process
Sample	72"	2	9	KT	Class 2	Galv. after weaving

Galv. after weaving

GAW Chain Link Fabric with a 10 Year Limited Warranty
 & Other Quality Master-Halco Fencing Products are Available From:

