MM102GAW
Version5/03

MERCHANTS METALS

The First Name In Fence

GALVANIZED AFTER WEAVING (GAW) FABRIC

Nothing Beats the Complete Zinc Coating of GAW Chain Link Fabric for Durability and Rust-Prevention

- Meets ASTM Specification A 392
- 15 Year Warranty
- Maintenance Free

MERCHANTS METALS

Ask For GAW Every Time

GAW Chain Link 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, but 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.

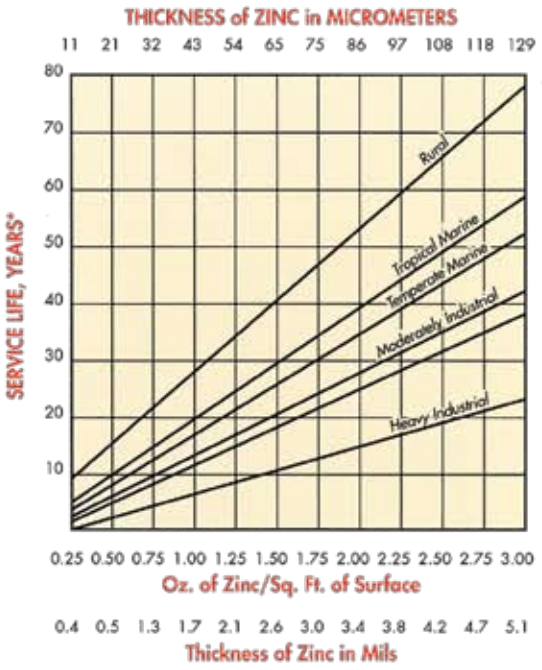
THE IMPORTANCE OF GAW

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 for the thorough zinc coating protection of the GAW process.

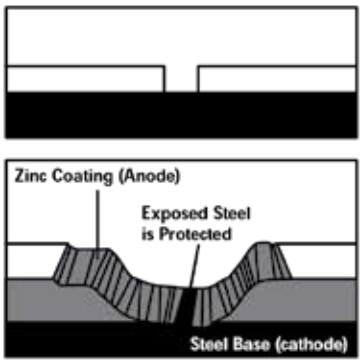
THE DURABILITY OF GAW

Fabric galvanized after weaving is manufactured to the demanding requirements of ASTM specification A 392, which offers two classes of coating: Class 1 which has 1.2 ounces (366 g/m²) of zinc coating per sq. ft., and Class 2 which has 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 alive. 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 and 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. 15 Year Warranty
9. Lower long-term costs
10. Fewer long-term maintenance problems

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

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.

SECTION 02831 (GAW)
Galvanized After Weaving (GAW) Fabric Specifications

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Galvanized after weaving (GAW) coated chain link fencing and accessories.

1.02 SUBMITTALS

A. Changes in specifications may not be made after the published date of bid. All submittals of substitutions must be approved before bid date.

B. Shop drawings of fences and gates with all dimensions, details, and finishes. Drawings must include post foundations.

C. Product data: Manufacturer's catalog indicating materials and a letter certifying that all conditions of the specifications have been met.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Products from other qualified manufacturers who have five years or more experience manufacturing galvanized after weaving (GAW) chain link fencing will be considered by the architect as equal if they meet all specifications for design, size, gauge of metal parts and fabrication.

B. Chain link fences and gates must be obtained from a single source.

2.02 CHAIN LINK FENCE FABRIC (See chart for fabric selections.)

A. Wire: ASTM A 392 Standard Specification for Zinc Coated Steel Chain Link Fence Fabric.

Choose one: 1.2 oz/ft² (366 g/m²) Class 1

or 2.0 oz/ft² (610 g/m²) Class 2

B. Chain link fence fabric shall be made of 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 twisting the ends of the wire to form the desired selvage of the fabric. Fabric height of _____ feet (_____ mm), mesh size of _____ inches (_____ mm), and a wire diameter of _____ inches (_____ mm). The wire breakload or strength to be _____ lbf (_____ N).

C. Selvage of fabric (specify knuckled or twisted) _____ top; _____ bottom.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify areas to receive fencing are completed to final grades and elevations.

B. Property lines and legal boundaries of work to be clearly established by the general contractor or property owner.

3.02 CHAIN LINK FENCE INSTALLATION

A. Install chain link fence in accordance with ASTM F 567.

GAW Chain Link Fence Fabric

Recommended Usage	Mesh Sizes Available	Gauge Coated Wire	Nominal Diameter Coated Wire	Height of Fence Fabric In Inches (mm)	Minimum Breaking Strength lbf (N)*
Industrial / Commercial	2" (50 mm)	6	0.192" (4.88 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	2170" (9650)
		9	0.148" (3.76 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	1290" (5740)
Industrial / Security	1" (25 mm)	9	0.148" (3.76 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	1290" (5740)
Tennis Court	1¾" (44 mm)	9	0.148" (3.76 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	1290" (5740)
		11	0.120" (3.05 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
Security	1" (25 mm)	11	0.120" (3.05 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
	¾" (19 mm)			36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
	⅝" (16 mm)			36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
	½" (13 mm)			36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
	⅜" (10 mm)			36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	850" (3780)
	⅜" (10 mm)	14	0.080" (2.03 mm)	36 (910), 42 (1070), 48 (1220), 60 (1520), 72 (1830), 84 (2130), 96 (2440), 108 (2740), 120 (3050), 144 (3660)	n/a

Sizes printed in red meet ASTM A 392
*Meets ASTM A 817

Merchants Metals®
the first name in fence solutions

866.888.5611
www.merchantsmetals.com

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