

**SPECIFICATIONS**

Not all of the gauge and mesh sizes listed in the tables below are contained in all specifications:

Aluminum Coated Wire Characteristics								
Nominal Coated Wire Diameter			Allowable Variance		Aluminum Coating Weight, Minimum		Breaking Strength, Minimum	
Ga.	Inch	MM	Inch	MM	oz/ft <sup>2</sup>	g/m <sup>2</sup>	LBF	N
6	0.192	4.88	± 0.005	± 0.13	0.40	122	2,170	9,650
9	0.148	3.76	± 0.005	± 0.13	0.40	122	1,290	5,740
10	0.135	3.43	± 0.005	± 0.13	0.40	122	1,290	5,740
11	0.120	3.05	± 0.005	± 0.13	0.35	107	850	3,780



Aluminum Coated Chain Link Fabric Characteristics				
Suggested Use	Mesh Sizes		Nominal Coated Wire Size, Gauge	Fence Fabric Height
	Inch	MM		
Industrial	2"	50	6, 9, 10	3' to 20' (0.9m to 6.1m)
Industrial / Security	1"	25	9, 10, 11	3' to 20' (0.9m to 6.1m)
Security	1"	25	9, 10, 11	3' to 20' (0.9m to 6.1m)
	5/8"	16	9, 10, 11	3' to 12' (0.9m to 3.7m)
	1/2"	13	9, 10, 11	3' to 12' (0.9m to 3.7m)
	3/8"	10	9, 10, 11	3' to 12' (0.9m to 3.7m)
Commercial / Recreational	2"	50	9, 10, 11	3' to 20' (0.9m to 6.1m)
Tennis Court	1-3/4"	44	9, 10, 11	10' to 12' (3.0m to 3.7m) typical
Light Commercial / Residential	2"	50	11	3' to 12' (0.9m to 3.7m)
Residential	2-1/4"	57	11-1/2	3' to 6' (0.9m to 1.8m)

Selection of Fence Posts and Braces						
Fence Height	Pipe, Outside Diameter		Pipe, Nominal Weight			
	Inch	MM	Type I		Type II	
			LB/FT	KG/M	LB/FT	KG/M
6' (1.8m) or under						
End, corner and terminal posts	2.375	60.3	3.65	5.4	3.12	4.6
Line (intermediate) post	1.900	48.3	2.72	4.1	2.28	3.3
Over 6' (1.8m) to 12' (3.7m)						
End, corner and terminal post	2.875	73.0	5.79	8.6	4.64	6.9
Line post over 6' (1.8m) to 8' (2.4m)	2.375	60.3	3.65	5.4	3.12	4.6
Line post over 8' (2.4m)	2.875	73.0	5.79	8.6	4.64	6.9
Over 12' (3.7m)						
End, corner and terminal post	4.000	101.6	9.10	13.5	6.56	9.8
Line (intermediate) post	2.875	73.0	5.79	8.6	4.64	6.9
Rails and braces, all heights	1.660	42.2	2.27	3.4	1.83	2.7

**Industrial, Security, Commercial & Recreational Uses**

(For Light Commercial Use See ASTM F1043)

- Type I – Sch 40 pipe: ASTM F1043-Group I-A, ASTM F1083, Federal specification RR-F-191/3D Class 1 Grade A, AASHTO M-181 Grade 1 and FAA Item F-162
- Type II – High strength pipe conforming to ASTM F1043-Group I-C, Federal specification RR-F-191/3D, AASHTO M181 Grade 2 and FAA Item F-162



Visit [www.merchantsmetals.com](http://www.merchantsmetals.com) for a complete set of specifications, drawings, warranties and brochures.

For assistance with submittal packages and other technical information, please contact our Specification Department at 888.260.1600.

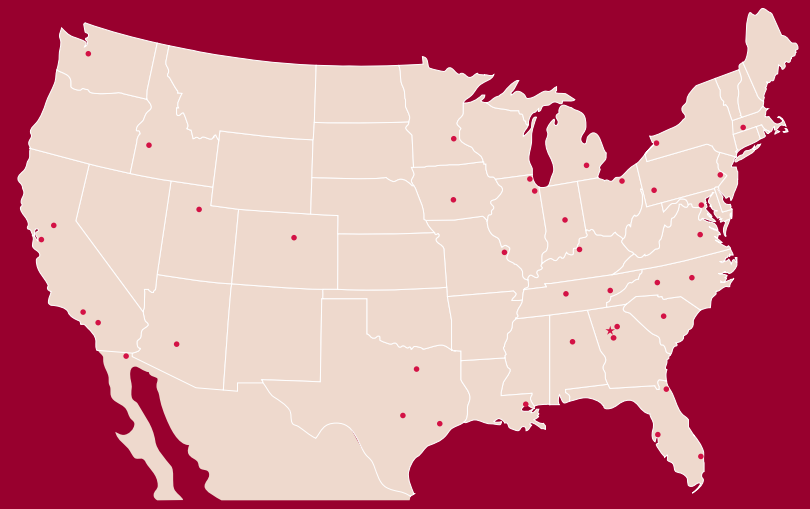
**Additional Fence Solutions**

Merchants Metals is one of the largest manufacturers and distributors of fence systems in the nation. Our complete line of fencing solutions for residential, commercial and industrial applications includes:

- Hot-Dipped Galvanized Chain Link
- Color Coated Chain Link
- Steel Ornamental in both Component and Fully-Welded Systems
- Aluminum Ornamental Systems
- Wood Fence
- PVC Fence
- Temporary Fence
- Aluminum Track Gates
- Access Control Products
- Guardrail
- Pre-hung Security Gates
- Welded Wire

All Merchants Metals products are available through professional fence contractors nationwide.

To find out more about Merchants Metals and the fencing solutions we offer, please call 866.888.5611 or visit [www.merchantsmetals.com](http://www.merchantsmetals.com).



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**ORNAMENTAL**



**CHAIN LINK**



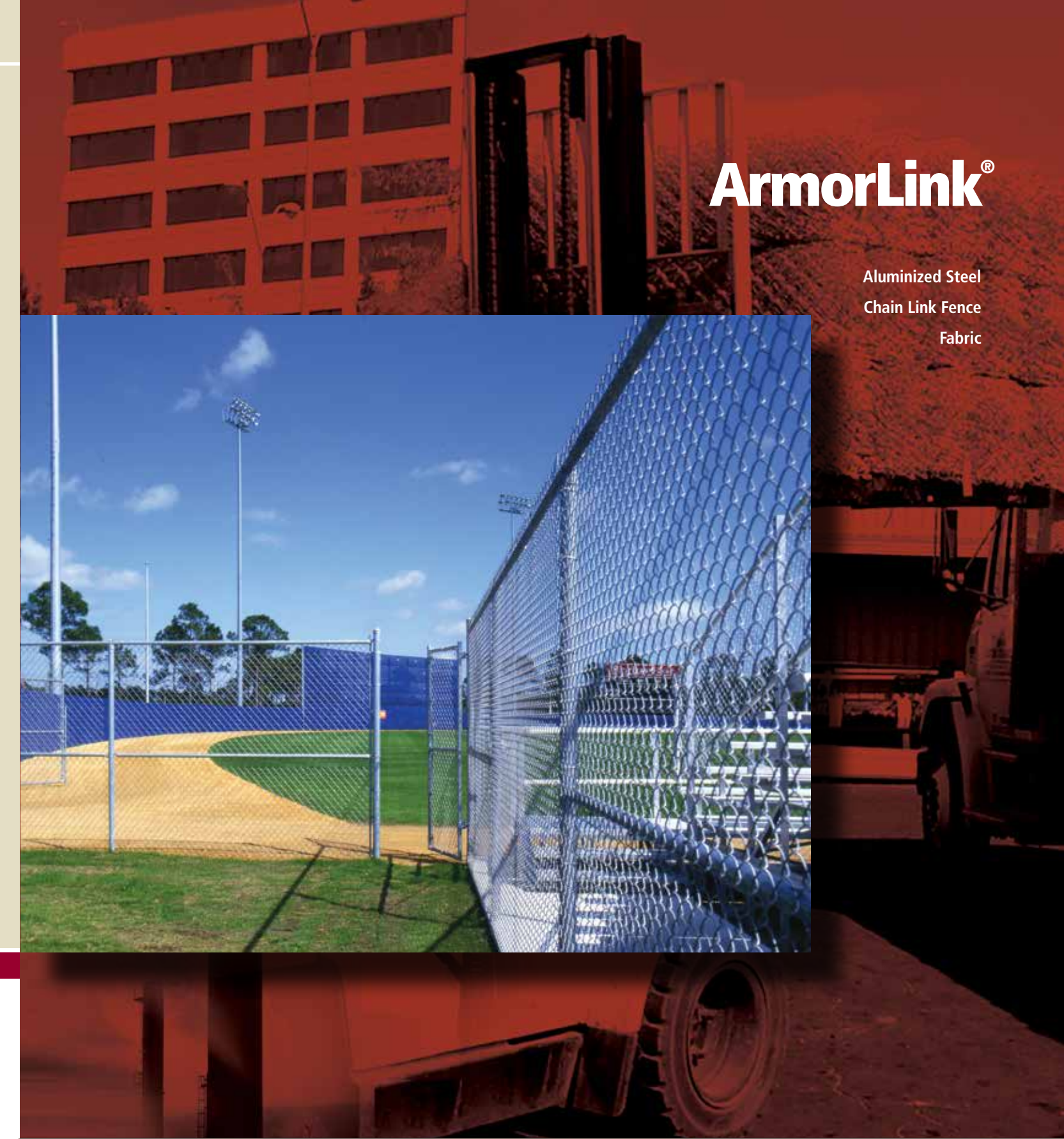
**WOOD**



**PVC**



**ACCESS CONTROL**



**ArmorLink®**

Aluminized Steel  
Chain Link Fence  
Fabric





ArmorLink® aluminized steel chain link fence fabric provides the smooth, long-lasting finish of aluminum and the maintenance free security of chain link. Available in a wide range of sizes and colors, ArmorLink® offers exceptional security and protection for a variety of industrial, commercial and residential applications.



FEDEX FACILITY - AUSTIN, TX

**Industrial/Commercial Specification Projects**

Hi-tensile strength coupled with our state-of-the-art aluminizing process creates a strong, smooth and safe chain link. ArmorLink® industrial grade fabrics are specified for industrial and commercial projects such

as prisons, power plants, high security applications, state and federal agencies, highways, bridges and severe marine installations. Aluminum coated barbed wire with 3" or 5" barb spacing is also available.

ArmorLink® made with industrial gauge wire meets the strict specification requirements of the U.S. Federal Government, ASTM and AASHTO.

- Meets ASTM A 491 Aluminum Coated Steel Chain Link Fence Fabric
- Meets AASHTO M-181, Type II
- Meets federal specification RF-F-191/1E, Type II
- FAA Item F-162
- 6, 9 and 10 gauge ArmorLink® carries a 25 year warranty against failure due to rust or corrosion
- Considered an equal to GAW 2.0 oz.
- Exceptionally smooth, uniform and sleek
- Outstanding protection against the environment

**INDUSTRIAL/COMMERCIAL SPECIFIED FOR:**

- Prisons
- High Security Applications
- Highways & Bridges
- State & Federal Agencies
- Severe Marine Installations

**Commercial/Recreational Projects**

ArmorLink® fabrics produced with commercial/recreational gauge wire are specified for perimeter security fencing around industrial and office complexes, hospitals, airports and warehouses.

The smooth finish and inherent strength of the aluminized wire also make ArmorLink® the perfect solution for schools, playgrounds, recreational complexes.

**Specified for:**

- Industrial & Office Complexes
- Hospitals
- Airports
- Truck Terminals
- Warehouses
- Tennis Courts
- Golf Courses
- Playgrounds
- Baseball Fields
- Pools



**Light Commercial/Residential Projects**

Ideal for lighter installations, ArmorLink® light commercial/residential fabrics enhance the overall look and feel of landscapes around home and light commercial projects. The exceptionally smooth finish provides a strong yet safe enclosure for property, children and pets.



**Secure-Guard®**

ArmorLink® is also available in Secure-Guard® high security fence small mesh fabric. Made in 3/8", 1/2", 5/8" and 1" mesh sizes, Secure-Guard® minimizes the possibility climbing or cutting and is especially effective for higher security areas.

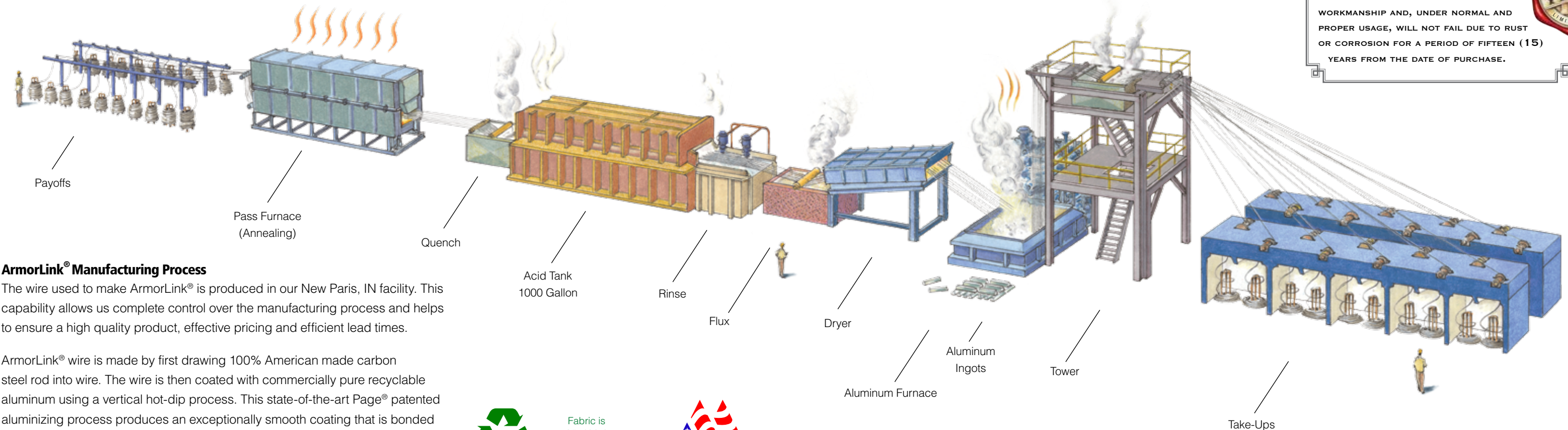
**Specified for:**

- Bridges
- Pedestrian Overpasses
- Military Facilities
- Prisons

**Color Coated Chain Link**

Aluminized strand can also be used to produce PVC color coated fabric. Available in most gauges and mesh sizes, color coated ArmorLink® blends naturally with the environment and adds both beauty and security.

- Meets ASTM F668, Class 2b (fused and adhered)
- Matching framework available
- Available in Black and Green



**ArmorLink® Manufacturing Process**

The wire used to make ArmorLink® is produced in our New Paris, IN facility. This capability allows us complete control over the manufacturing process and helps to ensure a high quality product, effective pricing and efficient lead times.

ArmorLink® wire is made by first drawing 100% American made carbon steel rod into wire. The wire is then coated with commercially pure recyclable aluminum using a vertical hot-dip process. This state-of-the-art Page® patented aluminizing process produces an exceptionally smooth coating that is bonded to the steel wire. The wire, which is now sealed and protected against corrosive elements, is then woven into ArmorLink® chain link fence fabric.



**APPLICATIONS**

<b>Industrial &amp; Commercial</b>	State & Federal High Security Agencies, Highways, Bridges, Power Plants & Severe Marine Installations
<b>Commercial &amp; Recreational</b>	Airports, Hospitals, Industrial & Office Complexes, Warehouses, Playgrounds, Golf Courses, Tennis Courts, Baseball Fields and Pool Installations
<b>Light Commercial &amp; Residential</b>	Homes, Pools, Office Buildings
<b>Secure-Guard®</b>	Prisons, Military Facilities, Industrial Storage Yards and Pedestrian Overpasses



SECURE-TRAC® CANTILEVER SLIDE GATE WITH ALUMINIZED FABRIC AND ALUMINIZED BARBED WIRE

MERCHANTS METALS WARRANTS TO THE ORIGINAL PURCHASER AND NOT TO ANY OTHER PURCHASER OR SUBSEQUENT OWNER, THAT ITS 6, 9 AND 10 GAUGE ARMORLINK® ALUMINIZED STEEL CHAIN LINK FENCE FABRIC IS FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP AND, UNDER NORMAL AND PROPER USAGE, WILL NOT FAIL DUE TO RUST OR CORROSION FOR A PERIOD OF TWENTY-FIVE (25) YEARS FROM THE DATE OF PURCHASE.



MERCHANTS METALS WARRANTS TO THE ORIGINAL PURCHASER AND NOT TO ANY OTHER PURCHASER OR SUBSEQUENT OWNER, THAT ITS 1 1/2 GAUGE ARMORLINK® ALUMINIZED STEEL CHAIN LINK FENCE FABRIC IS FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP AND, UNDER NORMAL AND PROPER USAGE, WILL NOT FAIL DUE TO RUST OR CORROSION FOR A PERIOD OF FIFTEEN (15) YEARS FROM THE DATE OF PURCHASE.

