

Farmstead Products From Allied



Allied provides steel tubing products designed specifically to meet the most demanding farmstead applications.

Gatorshield® – Our patented Flo-Coat® galvanizing process is what makes Gatorshield tubing the ultimate in corrosion resistance. This uniform triple coating...zinc, chromate, and a clear organic top-coat...provides maximum protection against rust and corrosion while creating a smooth, shiny finish.

Commercial Quality – Manufactured with a pickled and oiled steel to guarantee a consistent, clean finish. Available with oil or our Qwik-Coat® finish...a primer coat that eliminates the need for pre-cleaning or degreasing before processing. The tube arrives ready to weld, paint, or powder-coat.

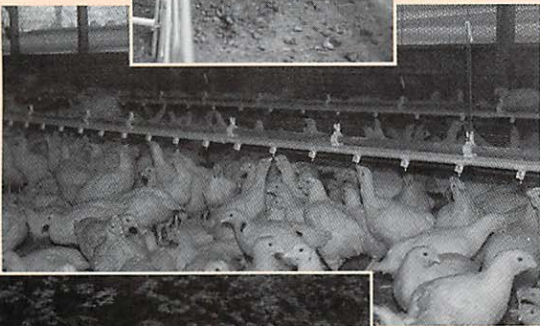
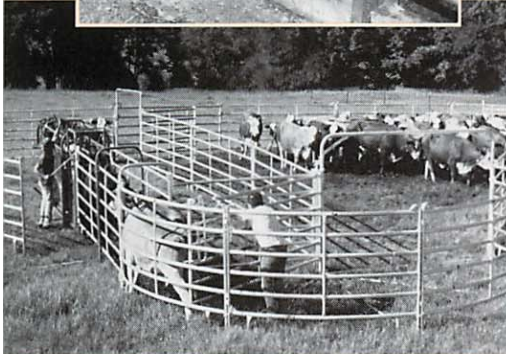
Product Options

- High-strength — 50,000 psi yield/55,000 psi tensile
- Super-strength — 60,000 psi yield/75,000 psi tensile*
- 1/2"-5" outside diameter...22-7 gauge
- Rounds, squares, or rectangles (other shapes available upon request)

*Mechanical properties achieved only in 15 gauge and heavier wall thickness.

Product Applications

- Augers
- Cattle Confinement Systems
- Dairy Stalls
- Farm Gates
- Farrowing Crates
- Grain Bins
- Hay Balers
- Hog Confinement Systems
- Horse Confinement Systems
- Metal Buildings
- Seed Spreaders
- Seeders
- Watering Systems

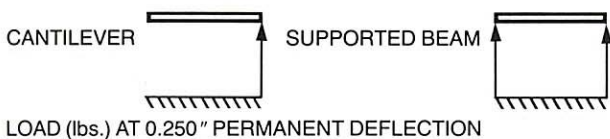


Allied Triple Coated Tubular Products are superior in every way to Galvanized Schedule 40 Pipe...

Weight/Strength Comparison — 66% stronger...yet at least 20% lighter.

Galvanized Schedule 40 Pipe						Allied Galvanized Products				
IPS PIPE SIZE - INCHES	IPS PIPE I.D. - INCHES	PIPE O.D. INCHES	NOMINAL WALL	LBS./FT.	MIN. YIELD/TENSILE	NOMINAL WALL	WALL RANGE	LBS./FT.	WEIGHT SAVINGS	MIN. YIELD/TENSILE
1"	1.049	1.315	.133	1.679	30,000 psi Yield 48,000 psi Tensile	.109	.101-.111	1.402	20%	50,000 psi Yield 55,000 psi Tensile
1-1/4"	1.380	1.660	.140	2.273	30,000 psi Yield 48,000 psi Tensile	.109	.101-.111	1.806	26%	50,000 psi Yield 55,000 psi Tensile
1-1/2"	1.610	1.900	.145	2.718	30,000 psi Yield 48,000 psi Tensile	.109	.101-.111	2.085	30%	50,000 psi Yield 55,000 psi Tensile
2"	2.067	2.375	.154	3.653	30,000 psi Yield 48,000 psi Tensile	.120	.112-.122	2.890	26%	50,000 psi Yield 55,000 psi Tensile

Beam Test Comparison — more load...less deflection.



Galvanized Schedule 40 Pipe

SIZE	4' CANTILEVER	8' FREE SUPPORTED BEAM	10' FREE SUPPORTED BEAM
1.315	112	212	200
1.660	205	415	355
1.900	270	551	454
2.375	465	995	795

Allied Galvanized Products

SIZE	4' CANTILEVER	8' FREE SUPPORTED BEAM	10' FREE SUPPORTED BEAM
1.315	125	235	185
1.660	235	465	360
1.900	352	714	505
2.375	538	1180	728

Corrosion Resistance Superiority...

Salt Spray Tests* — Conducted in accordance with ASTM-B-117 standards — Allied products based on cross-linked polymer OD third coating.

First Sign of Red Rust (No. of Hours)

Zinc Electroplated Tube

220

Pregalvanized Tube G-90

792

Pregalvanized Tube G-115

848

Galvanized Sch. 40 Pipe-Sml. Dia.

816

Galvanized Sch. 40 Pipe-Lg. Dia.

876

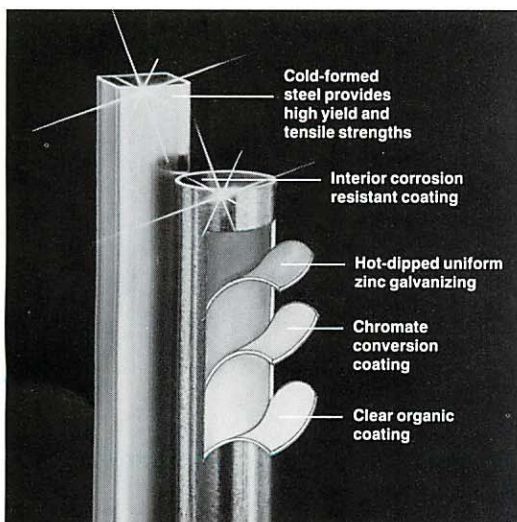
Allied Flo-Coat® Square Tube

884

Allied 50/55® with Gatorshield Tube

1112

*Scientific Control Laboratories, Inc. Independent test results are available upon request.



Allied's coatings are resistant to: *

- Abrasion
- Damage by Impact
- Detergents
- Disinfectants (household & commercial)
- Fertilizer
- Fungicides
- Household Chemicals
- Insecticides
- Scratches
- Urine

*These tests were conducted in a controlled environment, and our tube was subjected to these substances for a short duration of time. Tests were conducted over Allied's composite air dry and cross-linked polymer OD third coats.

Special Note: In addition, Allied tubular products exhibit superior sunlight and temperature (variation -10°F to 120°F) resistance properties.



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