

Welded Wire Mesh

The Manufacturing Process

The Core Wire

C. E. Shepherd Company products are manufactured from high quality precision welded wire mesh. The steel core wire meets or exceeds ASTM Standard A-90 for quality. Much of the wire mesh we sell has a fuse-bonded PVC coating for superior corrosion resistance. Standard PVC color is black. Mesh is also available clad in green, red or yellow; color availability may vary.

Galvanizing

We galvanize our wire BEFORE welding to assure the most uniform coating of zinc possible. This eliminates the potential for zinc to concentrate at the welds where it is least needed. Contrary to popular misconception, welded wire is not prone to corrode preferentially at the welds. In fact, resistance welding of galvanized wire creates a zinc rich iron alloy around the perimeter of the weld interface. This zinc iron alloy is much more corrosion resistant than the low carbon steel wire core and provides additional protection to the weld joint which is already naturally corrosion resistant (even without the cathodic protection of the zinc).

Corrosion and Cut Ends

In brief, cut ends of galvanized steel wire do not rust so long as they are protected by the zinc on the surface of the wire. The zinc on the periphery of the wire serves in a sacrificial manner to protect the steel face of the cut end. Offered as evidence of this are the Twenty Year Report (ASTM 585 A) and the Thirty Two Year Report (ASTM DS 65) both conducted at State College, PA. The data in these reports was gathered from observations of cut ends of four galvanized chain link fence locations. At the end of twenty years, all fences were found to be 100G (100% gray metallic). In other words, no rust was present. After thirty two years, three fences were found to be 100G and the fourth was 70Y (70% of the cut face had a yellow alloy layer of protection) and 30R (30% of the cut face had rusted).



Welding

Our computer controlled precision welding techniques ensure consistent quality. Welded mesh offers a number of advantages over conventional twisted mesh:

- Unlike twisted mesh, welded mesh does not move and flex inside its coating.
- Welded wire can be field cut without compromising structural integrity.
- Welded mesh does not unravel.
- In most applications, damaged sections of welded wire mesh can be cut out and replaced without compromising the integrity of the wire mesh.

C. E. Shepherd Company

2221 Canada Dry Street, Houston, TX 77023 • 713.924.4300 • 713.928.2324 fax • www.ceshepherd.com • sales@ceshepherd.com

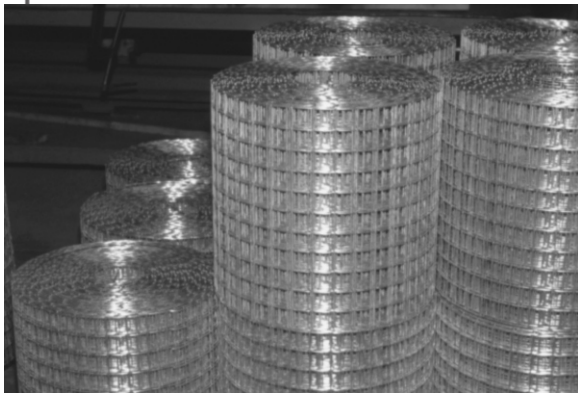


Welded Wire Mesh

Shepherd Wire Mesh Products

The C. E. Shepherd Company produces literally millions of feet of quality wire mesh every year, for a broad variety of applications. Much of this wire mesh is coated with a durable PVC coating that is fuse-bonded to the wire in a proprietary process which makes the wire extremely rust and corrosion resistant. The coating also provides a smooth, snag-free surface which is easy to clean and requires little or no maintenance. Products made of C. E. Shepherd Wire last and will not rust even when exposed to water or other corrosive environments over long periods of time, and will withstand the roughest use you can give them! Strong and durable, Shepherd Wire provides economical value by significantly reducing replacement costs.

Shepherd Wire Mesh is available in a large assortment of gauges and welded and woven mesh sizes. These are just a few of the possible uses for Shepherd Wire Mesh. More specific information is available; please call for details.

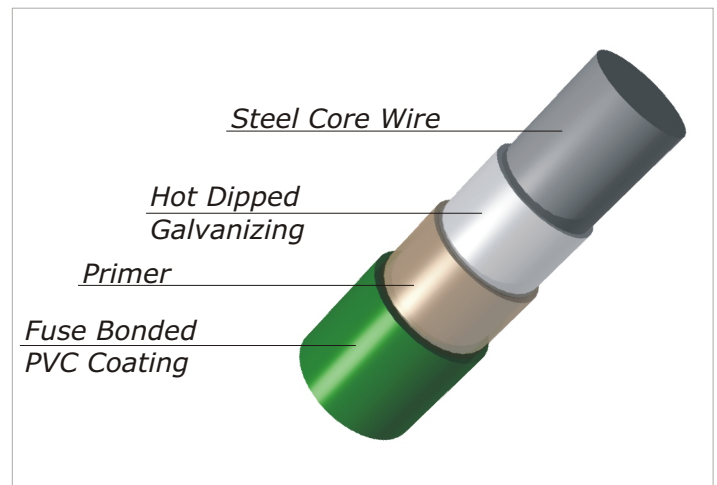


Aquaculture & Marine Applications

- Lobster, Crab & Crawfish Traps
- Fish Traps
- Fish Farming

Construction Applications

- Concrete & Perlite Reinforcement
- Stucco
- Supports Wall & Pipe Insulation
- Erosion Control



Industrial Applications

- Machine & Instrument Guards
- Security Fencing
- Cooling Tower Components

Cage Applications

- Zoo Habitats & Fences
- Kennels & Dog Runs
- Gamebird Pens
- Aviaries
- Poultry Breeder Floors
- Poultry Sidescreens

Nursery & Greenhouse Applications

- Stem Support
- Wind Guard
- Bench Tops
- Composters

C. E. Shepherd Company

2221 Canada Dry Street, Houston, TX 77023 • 713.924.4300 • 713.928.2324 fax • www.ceshepherd.com • sales@ceshepherd.com

C. E. Shepherd Company Wire Mesh Products

