



Galfan® : A revolution in wire galvanizing

Wire coated with zinc



Galfan® - coated wire and wire galvanized after welding, of the same thickness and exposed to the same conditions, after 30 cycles of the SO₂-test, simulating the natural exposure in poultry houses.

Wire coated with Galfan®

What is Galfan®

The trade name Galfan is derived from the French words "*galvaniser fantastique*", which describe a unique galvanizing process that is a combination alloy of 95% zinc and 5% aluminum. The standard galvanizing process is based solely on zinc.

Even though Big Dutchman has been the first and only company to offer this feature to the industry, this technology has been used for many years in applications that require extreme anti-corrosive protection such as: Containment wire for river banks, fishing ropes, tension ropes for masts, vineyard wire, bridge cables, laboratory cages, and special civil construction projects.

Advantages of the Galfan® Process

- **Excellent adherence** - The combination of zinc and aluminum adhere extremely well to wire. The aluminum oxide that forms on the surface offers minimal wear to the protective coating resulting in a more durable anti-corrosive protection.
- **Better flexibility** - The protective coating of zinc and aluminum is much more flexible than that of standard zinc galvanizing. This allows the wire to be bent without breaking the protective coating and exposing the bare wire to the environment. When wire galvanized with only zinc is bent, often times the galvanized coating is broken, thus exposing the bare wire to the air and corrosion.
- **Self-protective effect** - In extreme cases when the protective coating is broken, or a wire is cut, molecules of the protective coating will migrate, particularly those of aluminum, and cover the exposed area.
- **Smoother surface** - The Galfan coating offers a much smoother surface than that of standard galvanizing. This allows the wire to remain cleaner and free of impurities and undesirable substances.



Big Dutchman.