

WHAT IS GALVANIZING?

A corrosion protection process for steel. Steel is coated in zinc to prevent rusting.

Dipping clean iron or steel into 450°C molten zinc.

We also provide a shot blasting and powder coating service.



STEEL



GALVANIZED

OUR PROCESS



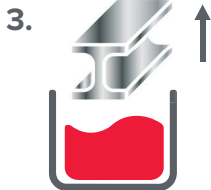
1.

Firstly the steel must be cleaned from any dirt/grease, so it is dipped in **hydrochloric acid**.

2.



The steel is then dipped into a **molten zinc** bath (450°C). The typical time it is left in for is about 5 minutes.



3.

After immersion, a layer of **molten zinc** will be taken out on top of the alloy layer. Often this cools to exhibit the bright shiny appearance associated with galvanized products.

4.



Post galvanizing treatment can include quenching into **water or air cooling and shot blasting**. **Powder coating** may be applied for additional protection where the environment is extremely aggressive.

Birtley **HOT-DIP GALVANIZING...**



Costs less



Lasts longer



Has a maintenance free life of at least 50 years



Has a robust coating

For more information please talk to the galvanizing team direct on:

WHY GALVANIZE?



Hot Dip Galvanizing is **Durable**



Data shows that galvanizing can provide between **34 to 170 years of protection for steel.**



Hot Dip Galvanizing is **Sustainable**



Galvanized steel can be **recycled and reused**



Hot Dip Galvanizing is **Cost Effect**



The Galvanizing process is **fast**



Galvanizing Steel is **self healing**



Galvanizing offers **complete coverage** - internally and externally

NEED A QUOTE?

Call the Birtley Galvanizing team direct:

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Birtley Galvanizing, the technology behind the success of Birtley Lintels.

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