

10 Good Reasons to Specify Hot-dip Galvanising:

1. Low initial cost. In many cases galvanising now costs less to apply than standard painting system with a shorter lasting protection.
2. Low long term cost. Even in cases where the initial cost of galvanising is higher than a comparable alternative, galvanising is almost invariably cheapest in the long term.
3. Reliability. The galvanised coating is bonded metallurgically to the base steel so that it becomes part of the steel surface it protects. Coating life and performance are reliable and predictable.
4. Coating toughness. A galvanised coating has a unique metallurgical structure which gives outstanding resistance to mechanical damage in transport, erection and service.
5. Elimination of maintenance for long periods compared to other coatings for steel.
6. Maintenance can be extremely expensive when it involves difficult access, or plant shut-down and when structures are located in remote areas.
7. Automatic protection for damaged areas. Galvanised coatings corrode preferentially to steel, providing sacrificial or cathodic protection to small areas of steel exposure through damage to the coating. Unlike organic coatings, no touch up is needed.
8. Complete protection. Every part of galvanised article is fully protected, even recesses, sharp corners and inaccessible areas. No coating applied to a structure or fabrication after completion can provide the same protection.
9. Ease of inspection. Galvanised coating thickness is controlled automatically by steel thickness and a standard minimum coating mass results. Soundness and continuity of coatings are visually judged.
10. Mechanical properties. Galvanising has no effect on the mechanical properties of commonly galvanised structural steels.

Lifespan

Anticipated life of 610 g/m² (85 µm) Galvanised Coating in Various Environments (years)

