Galvanizing is durable

A key benefit of using Hot Dip Galvanizing is its durability. Data shows that galvanizing can provide between 34 to 170 years of protection for steel. One of the main atmospheric pollutants that .affect the performance of hot dip galvanizing is Sulphur Dioxide

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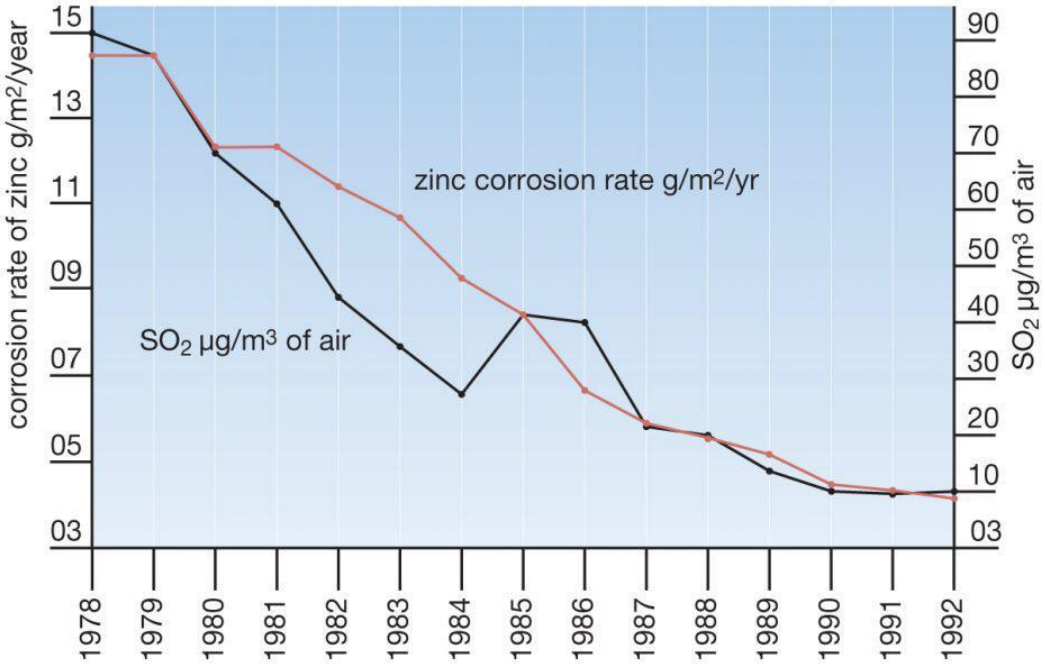
It is widely known that levels of atmospheric sulphur dioxide (SO_2) have been falling for several decades. The results of the Atmospheric Corrosion Rate for Zinc demonstrate how the reduction in SO_2 levels since 1991 has helped to .increase the life expectancy of hot dip galvanized coatings

This has a particular significance for those with the responsibility for sanctioning construction projects where whole life costs, longevity, and maintenance are .important considerations

The most important contaminant affecting zinc is sulphur dioxide (SO_2) and it is the presence of SO_2 which largely controls zinc's atmospheric corrosion rate. It is widely documented that atmospheric SO_2 levels have fallen significantly in most .countries over the past decades



Reduction in sulphur dioxide levels in Stockholm since 1978 and accompanying .decrease in corrosion rate of zinc

?How long does it take for galvanized steel to rust

The answer to this question depends on the environment that the galvanised .steel structure is exposed to

With average atmospheric zinc corrosion rates across the the UK and Ireland normally being less than 1µm per year, a typical 85µm coating can provide over years of maintenance-free life. For further information click to see our 85 .corrosion map