

## Zinc Metallisation

We offer a zinc thermal sprayed coating as an alternative to the well established process of galvanising for applying a corrosion protection layer of zinc to steel.

Metal spraying offers several advantages over galvanising not least of which being that it eliminates the risk of thermal distortion often associated with galvanising.

The metallisation process actually bonds the zinc with the steel to form an extremely durable coating that will usually last far in excess of 20 years. The lifespan of any zinc coating, whether it be hot dip galvanised or thermal sprayed, will depend on the local environment and several factors affect this including air pollution, humidity, chemicals, salt and proximity to other building materials. It is for this reason that, like galvanising, there is no extended guarantee or warranty beyond the statutory 12 months.

We then apply a high quality paint system which seals the zinc coating thereby offering even further protection. It is important that any chips to the painted finish during installation or thereafter are touched up as soon as possible to reduce the possibility of other environmental factors affecting the zinc.

We metallise to the BS EN ISO14713 standard and our standard thermal zinc coating is 120 microns giving a typical life to first maintenance of 5 - 10 years. On request we can provide a quote for a greater coating thickness to increase this to 10 – 20 years or over 20 years.

### Sustainable (recyclable)

Zinc is a naturally occurring and recyclable substance that is not harmful to us (remember that our bodies actually need a small amount of zinc to live healthily) and helps steel last a very long time.

Vulnerable steelwork that is not galvanized will require much more maintenance and will need replacing much sooner. A combination of regular maintenance and shorter life cycle will therefore generate a higher carbon footprint.