

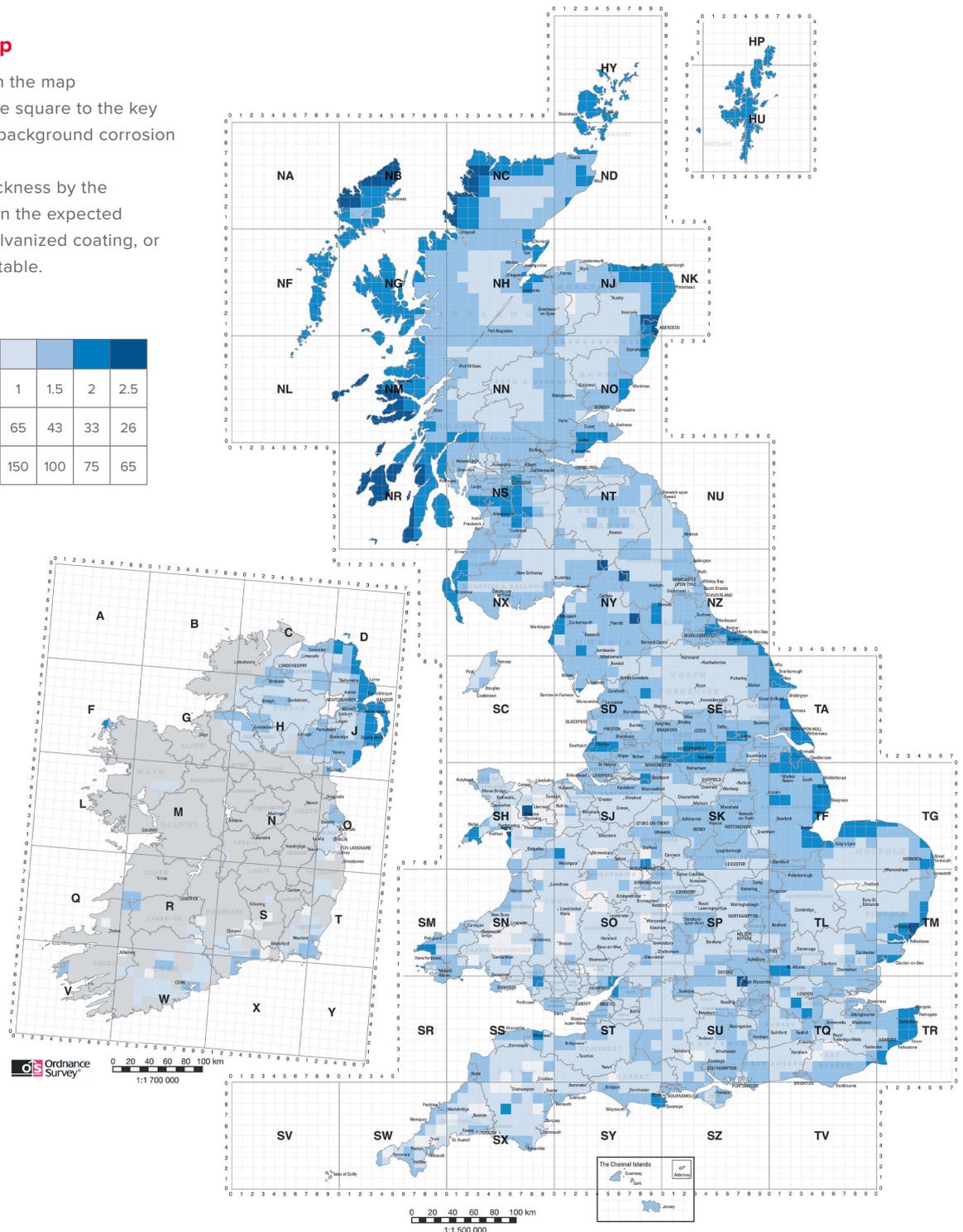
CORROSION MAP

The life of any coating is dependent on the local environment, which is often hard to quantify. The Galvanizers Association is responsible for a nationwide scientific survey which links geographic location to the lifespan of a galvanized coating. Coastal areas corrode the coating quicker due to the environment, so having a thicker coating will allow the coating to last longer.

How to use the map

- Locate your project on the map
- Match the colour of the square to the key
- Read off the average background corrosion rate in μm per annum
- Divide the coating thickness by the corrosion rate to obtain the expected minimum life of the galvanized coating, or just use the following table.

Corrosion Category	0.5	1	1.5	2	2.5
Average Corrosion rate ($\mu\text{m}/\text{year}$)	0.5	1	1.5	2	2.5
Supergalv 65 μm min life expectancy (years)	130	65	43	33	26
Ultragalv 150 μm min life expectancy (years)	300	150	100	75	65



Based upon the annual average atmospheric corrosion of Zinc, UK and Republic of Ireland, 1998-2000.

GALVANIZERS
ASSOCIATION

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