

THE ZINC MILLENNIUM MAP

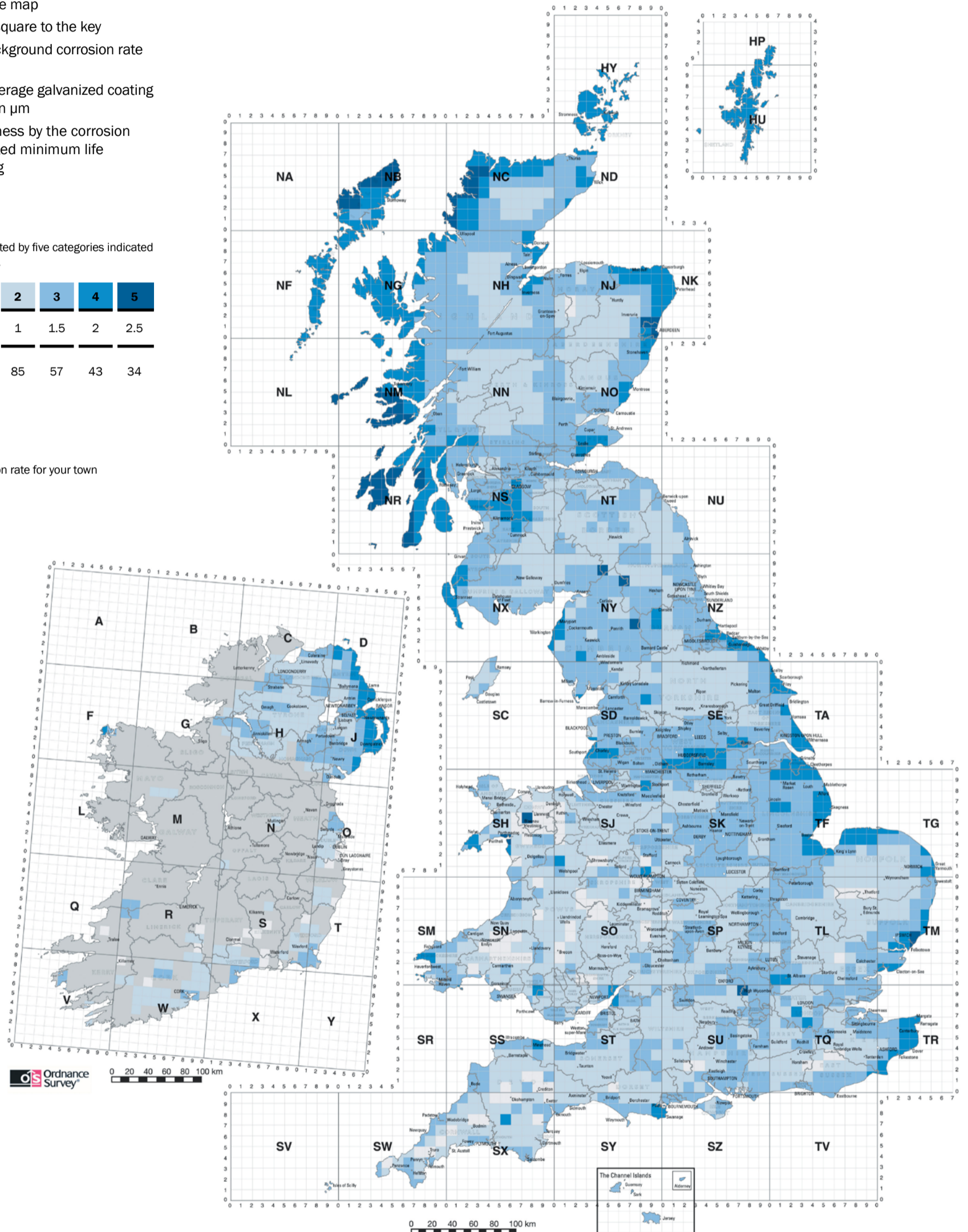
HOW TO USE THE MAP

- 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
- Identify the minimum average galvanized coating thickness for steelwork in μm
- Divide the coating thickness by the corrosion rate to obtain the expected minimum life of the galvanized coating

Zinc corrosion rates are represented by five categories indicated by the colour codes shown below.

Corrosion category	1	2	3	4	5
Average corrosion rate ($\mu\text{m}/\text{year}$)	0.5	1	1.5	2	2.5
Average life of 85 μm galvanized coating (years)	170	85	57	43	34

Discover the background corrosion rate for your town @ www.galvanizing.org.uk



Annual Average Atmospheric Corrosion of Zinc. UK and Republic of Ireland, 1998-2000

This is an approximate guide and is most relevant to stationary, exterior-exposed structures. You will need to take an account of any sites specific factors which may affect the corrosion rate. Detailed data for individual sites and advice on its interpretation (e.g. the possible corrosion rate actually experienced by the galvanized structure) is available from Galvanizers Association.

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