

Premier Coastal Vs Premier Extra (Black & Colour) Painting

Coastal regions are difficult to easily define, however for the purpose of this document, they are described as those areas within 5km of the coast. The Durability of paint systems is not an exact science, neither is the predictability of atmospheric conditions to which a product will be exposed. Hence, we are unable to be very specific regarding the number of years the paint will last. Prevailing winds may carry airborne contaminants (e.g. sea spray from the coast) predominantly on to one face of a structure. It should be noted that coastal / atmospheric – the - 5-kilometre strip around the coast, is broadly considered as being a coastal / marine environment.

Our Premier Extra (Black) and our Premier Extra RAL colour products are painted to meet a C3 corrosion category environment (i.e. our standard painted goods despatched to merchants); areas falling within a coastal / marine environment are classified as a C4 corrosion category.

The conditions in these areas are more aggressive than those experienced in many other areas due to the prevalence of airborne water and salt particles. If these water and salt particles can form an electrolyte on the painted finish, any exposed or damaged areas of the painted finish will begin to corrode the Iron substrate at an increased rate compared to an inland location.

Note: Early or premature failure of a coating and subsequent corrosion of the substrate is often associated with the following factors: - mechanical damage during the handling, transportation, storage and installation of the gutters, drainpipes, and fittings.

Failure in not repairing this damage immediately will result in corrosion problems in the future. Any areas that are found to have been damaged, chipped etc MUST be painted using the purchased “touch up” paint.

To combat this aggressive environment, the overall coating thickness on the Premier Coastal products is much greater. Our standard, Premier Extra (Black) & Premier Extra Colour coatings have a combined, maximum Dry Film Thickness (DFT) of 110 - 150µ.

For our Premier Coastal, the combined DFT of primer and topcoats are at least 250µ. This increased coating thickness forms a longer-lasting barrier between the environment and the substrate thus delaying the onset of corrosion.

Please be advised that our standard “premier extra” and premier extra RAL paint coatings are painted to meet a C3 corrosion category (Urban / Industrial).

However, if our “premier extra” and premier extra RAL painted products are used in an environment with a corrosion category C4 - i.e. coastal / marine environments (ISO 12944), the life span of the painted coating could be adversely affected.

HF will not accept any future liability for paint failures, if our standard “premier extra” or “premier extra” RAL painted products are installed in coastal / marine environments.

Further information is available on request.

It is imperative that a robust maintenance regime is put in place to ensure that no salt or other contaminants can build up on the surface of the coating. Irrespective of the volume and quality of coating applied, regular maintenance and repainting will be required to ensure your Cast iron products can continue to combat the harsh environments that coastal conditions present.

The Forth Road Bridge is a classic example of continual painting and maintenance that is required to protect the underlying substrate and the prevention of corrosion of the steel structure.