

- TYPE:** An epoxy glassflake coating, intended for application on-to substrates subject to immediate immersion in water.
- SUGGESTED USE:** Plasmet RIC will provide cost effective, durable protection to structural steel which will be subject to rapid immersion in water/ seawater after application of the coating. Plasmet RIC is tolerant of water on the prepared surface and will continue to cure once immersed. Corrocoat RIC may be used for structural steel, pilings, jetties and other marine environments.
- LIMITATIONS:** Unsuitable for immersed service in many solvents and chemical service environments. Temperature limit immersed is 60°C, non immersed limit 90°C.
- HEALTH AND SAFETY:** Before handling or using this product the material **safety data sheet should be read** and all precautions observed.
- SURFACE PREPARATION:** **Metals:** For best results Grit blast to ISO Standard 8501-1 Sa 2½, SSPC-SP 10. (For full details refer to Corrocoat Surface Preparation Specification SP1.) Corrocoat RIC can also be applied to mechanically prepared or water blasted surfaces.
- APPLICATION:** Corrocoat RIC may be applied with a brush or short haired roller.
- Application on larger areas may be carried out by an airless spray pump, minimum 45:1 ratio, with an output of at least 4 litres per minute. The pump should be fitted with a leather/Teflon seal combination and all fluid filters removed. Use nylon lined 10mm (¾") internal bore spray line with a short 6.5mm (¼") whip and a large bore spray gun fitted with a swivel connector. 17 to 23 thou reversible spray tip is recommended. Spray tip and fan pattern will vary and should be selected to suit the nature of the work. Fluid pressure approximately 4,000PSI depending on temperature, spray line length, etc. Corrocoat RIC should not be applied or used at temperatures below 10°C.
- POTLIFE:** Generally 60 –80 minutes at 20°C.
Pot life **will vary significantly** with temperature.
- THINNERS:** The performance of this product will be adversely affected by the use of solvent based thinners. Under normal application conditions it is not anticipated that any thinners will be required with this product.

PACKAGING: 10 and 20 litre composite kits. (Other sizes may be available upon request).

CATALYST/ HARDENER TYPE: Modified Amine Adduct

STORAGE LIFE: Base and Hardener: 12 months in unopened tins, store away from heat sources and direct sunlight.

COLOUR AVAILABILITY: Brown.

The Base (red) and Hardener (yellow) should be mixed until a uniform brown colour is achieved.

Note: This product is formulated to give optimum corrosion resistance. Due to the nature of the polymerisation process on this product and the speed of immersion it is not possible to guarantee colour matching or colour stability.

RECOMMENDED DFT: Dependent upon intended use, geometry of work and service conditions. Corrocoat RIC is normally applied to achieve DFT's of 400 – 500 microns. Single coat application is preferred but multiple coats may be used to achieve the required DFT, refer to data on overcoating times.

PRACTICAL COVERAGE RATE: Approximately 0.6 litres/m² at 500 microns DFT.

Note: This information is given in good faith but consumption may increase dependent upon the environmental conditions, geometry, nature of work undertaken and the skill and care of application. **Corrocoat accept no responsibility for any deviation from these values.**

SPECIFIC GRAVITY: Base: 1.12 g/cm³ Hardener: 0.921 g/cm³

FLASH POINT: 35°C

MIXING RATIO: 100:70.9 parts Base to Hardener by weight / weight.

TACK FREE TIME: 4 hours at 20°C

OVERCOATING: Where multiple coats are required, over coating may take place after 8 hours at 20°C. The maximum overcoating time is 48 hours at 20°C. Overcoating times will reduce significantly at higher temperatures **and/or** in strong sunlight.

CLEANING SOLVENT: For best results use Corrocoat Epoxy Equipment Cleaner

All values are approximate. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.

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