

## PLASMET

## Plasmet RIC

Product reference: 5/80

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Product title: Plasmet RIC

Valid from: 11th July 2008

Last reviewed: July 2019

### Type

An epoxy glassflake coating, intended for application onto 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:

140°F (60°C)

Non immersed limit: 194°F (90°C).

### Health & 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 SSPC-SP10 (ISO Standard 8501-1 Sa 2½). (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

1 gallon (4 litres) per minute. The pump should be fitted with a leather/ Teflon seal combination and all fluid filters removed. Use nylon lined 10mm (3/8") 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 50°F (10°C).

### Pot life

Generally 60-80 minutes at 68°F (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

1 gallon and 5 gallon kits. (Other sizes may be available upon request).

### Catalyst / hardener type

Modified Amine Adduct.

### Storage life

2 years minimum in unopened tins, stored at 41-104°F (5-40°C).

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### Color availability

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

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

### Recommended DFT

Dependent upon intended use, geometry of work and service conditions. Corrocoat RIC is normally applied to achieve DFT's of 16-20 mils (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 24 sf per gal at 20 mils (0.6 litres/m<sup>2</sup> 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 accepts no responsibility for any deviation from these values.

### Specific gravity

Base: .04lbs/cubic inch (1.12 g/cm<sup>3</sup>)

Hardener: .03lbs/cubic inch 0.921 g/cm<sup>3</sup>

### Flash point

95°F (35°C)

### Mixing ratio

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

### Overcoating

Where multiple coats are required, over coating may take place after 8 hours at 68°F (20°C). The maximum overcoating time is 48 hours at 68°F (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.

Revised 10/2010  
Reviewed 02/2014 (No changes)  
Reviewed 05/2016 (No changes)  
Revised 05/2018  
Revised 07/2019

All values are approximate. Physical data is based on the product being in good condition before polymerization, correctly catalyzed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 68°F (20°C), test results may vary with temperature. Information regarding application of the product is available in the Corrocoat manual. Should further information be required, please consult Corrocoat Technical Services.