

## PLASMET

## Plasmet UWT

Product reference: 5/91

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Product title: Plasmet UWT

Valid from: 5th July 2018

Last reviewed: July 2019

### Type

An epoxy glassflake topcoat, intended for application and cure underwater as part of an underwater lining system.

### Suggested use

Plasmet UWT is designed for use with Plasmet UWP and Plasmet UWL as a system. It will provide cost effective, durable protection to submerged surfaces. The system is tolerant of water and will cure whilst immersed. It may be used for structural steel, pilings, jetties, and other immersed structures.

### Limitations

Immersed Temperature limit is 45°C as a system

### Health & safety

Before handling or using this product the material safety data sheet should be read and all precautions observed.

### Surface preparation

Corrocoat UWT is applied over UWL. No additional surface preparation required.

### Application

Corrocoat UWT may be applied by trowel or divers glove in a single coat.

### Pot life

Generally 60-70 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

5 litre composite kits.

### Catalyst / hardener type

Polyamidoamine (Plasmet UWT Activator)

### Storage life

2 years minimum in unopened tins, stored at 5°C-40°C .

### Colour availability

Light Grey.

The Base (white) and Hardener (black) should be mixed until a uniform grey 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. Some whitening of the surface may occur during the curing process.

### Recommended DFT

Apply at 300 - 500 microns.

### Theoretical coverage rate

2.5m<sup>2</sup> per litre at 400 microns.

**NOTE:** This information is given in good faith but consumption may increase dependent upon the

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environmental conditions, geometry, nature of work undertaken and the skill and care of application.

Corrocoat accept no responsibility for any deviation from these values.

### Density

Base: 1.20 g/cm<sup>3</sup> Hardener: 1.05 g/cm<sup>3</sup>

### Adhesion

>11MPa (when applied in immersed conditions and after immersion in water.)

### Cathodic disbondment

Excellent 0-1mm (when used as part of a lining system)

### Salt spray

>1000 hours

### Mixing ratio

2:1 parts Base to Hardener by weight / weight.

### Cleaning solvent

For best results use Corrocoat Epoxy Equipment Cleaner.

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Revised 07/2019

All values are approximate. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 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.