Product reference: 5/90

Product title: Plasmet UWL

Valid from: 5th July 2018

Last reviewed: July 2019

Type

An epoxy laminate, intended for application with glassfibre matting designed to be applied and cure underwater, as part of an underwater repair system.

Suggested use

Plasmet UWL is designed for use with Plasmet UWP and Plasmet UWT as an underwater repair system. It will provide cost effective, durable protection on sub-merged 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 45ºC 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

Metals: Corrocoat UWL is generally applied over mechanically prepared or water-blasted surfaces. For best results Plasmet UWL should be applied over a surface primed with Plasmet UWP.

Application

Thoroughly wet out the glassfibre cloth above water. The glassfibre cloth can now be transported to the application site. One method of doing so is for the laminate to be applied onto a thin perspex sheet. This can then be rolled into a tube, unrolled underwater and applied to the UWP using a glassfibre matting roller.

Pot life

Generally, 100 minutes at 20ºC. 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 UWL Activator)

Storage life

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

Colour availability

Mid 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.

Product reference: 5/90

Product title: Plasmet UWL

Valid from: 5th July 2018

Last reviewed: July 2019

Recommended DFT

As required to wet out the glass fibre matting.

Practical coverage rate

Dependent on the type and thickness of the glassfibre utilized.

Density

Base: 1.13 g/cm^3 Hardener: 1.05 g/cm^3

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.

Overcoating

Can be overcoated with UWT after 6hrs.

Cleaning solvent

For best results use Corrocoat Epoxy Equipment Cleaner.

Revised 07/2018
Revised 05/2019