

## PLASMET

## Plasmet ECP

Product reference: 5/17

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Product title: Plasmet ECP

Valid from: 17th October 1997

Last reviewed: May 2019

### Type

A high-solids, low viscosity, two or three-pack epoxy primer with excellent adhesion to damp surfaces.

### Suggested use

As a primer for concrete. Ideally suited for application in areas that are damp, particularly concrete which cannot be dried out prior to application. ECP is designed to be overcoated with other suitable coatings. Plasmet ECP may also be used as a primer for ZE on blast cleaned metallic surfaces.

### Limitations

Should not be applied at temperatures below 6°C.

### Health & safety

Read and observe the health & safety data sheet prior to application.

### Surface preparation

Plasmet ECP has been developed as a surface tolerant primer for concrete surfaces. It may be applied to damp concrete with minimal surface preparation. For best results however the surface laitance should be removed and the concrete abraded prior to application.

Plasmet ECP may be used as a metal primer where the surface should be grit blasted to ISO 8501-1 Sa 2½ standard. For full specification refer to Corrocoat data sheets SP1 and SP2.

### Application equipment

Brush, roller or airless spray 45:1 or higher with 17 to 23 thou tip, dependent upon temperature and hose lengths.

### Application

This material is intended for application in one coat of between 100 and 175 microns. The use of third pack (adhesion promoter) will significantly increase the adhesion to both the substrate and subsequent coatings.

### Mixing ratio / mixing

100 Parts base: 75 parts activator.

Adhesion promoter maximum 1% of total mix.

Add all of the activator to the base and mix thoroughly, ensuring no unmixed material remains. Add the adhesion promoter, maximum 1%, where required and mix thoroughly. Remove all the mixed material from the base tin and remix in another container.

Mix only as much material as may be used during the limited pot life.

### Pot life

Approximately 2 - 3 hours at 20°C. This time will vary significantly with temperature.

### Thinners

**DO NOT THIN.** The addition of solvent will reduce hold-up and performance.

### Packaging

20 litre composite kits.

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### Storage life

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

### Colour availability

Translucent amber. Not available in any other colour.

### Recommended DFT

100 to 175 microns.

### Volume solids

89.5%

### Theoretical spreading rate

5.7m<sup>2</sup> at 175 microns.

### Specific gravity

1.06 gcm<sup>-3</sup>

### Cure time

Tack free:

Approximately 8 hours at 20°C.

Full cure:

2-3 days at 20°C.

Will vary significantly with temperature.

### Overcoating times

Will vary substantially with temperature.

Minimum:

8 hours at 20°C

Maximum:

2 days at 20°C

Overcoating:

Maximum 3 days

These times may be substantially shorter at high ambient temperatures.

### Cleaning solvent

Acetone, Methyl Ethyl Ketone, Xylene and epoxy equipment cleaner.

Reviewed 02/2014 (No changes)

Reviewed 05/2016 (No changes)

Revised 05/2018

Revised 05/2019

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.