

Product reference 5/17

Product title Plasmet ECP

Valid from 17th October 1997

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 laitence 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 SIS 05 5900 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.

Mix ratio/mixing

100 parts base to 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 re-mix in another container.

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

Pot life

Approximately 75 minutes at 20°C. This time will vary significantly with temperature.

Plasmet

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Thinners

Do not thin. The addition of solvent will reduce hold-up and performance.

Packaging

20 litre composite kits.

Storage life

A minimum of 1 year in unopened tins stored below 35°C.

Colour availability

Translucent amber. Not available in any other colour.

Recommended DFT

100 to 175 microns.

Volume solids

89.5%.

Theoretical spreading rate

5.7m² at 175 microns.

Specific gravity

1.06 gcm⁻³.

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.