

## PLASMET

## Plasmet T

Product reference: 5/09

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Product title: Plasmet T

Valid from: 3rd February 2006

Last reviewed: May 2019

### Type

A solvent free, two-pack smooth surfacing material with good chemical resistance.

### Suggested use

Overcoating Plasmet 'R' to give smooth surface finish but can be applied directly to metal surfaces where re-building is not required. May be cast or ground to give an excellent surface finish for use in sealing areas.

### Health & safety

**Warning:** When using this product safety precautions should be observed. Avoid contact with skin or eyes. Do not ingest. Protective clothing and goggles should be worn. Read Safety Data Sheet before use and observe all precautions.

### Surface preparation

Surface should be free from oil, grease and other contaminants. It should also be roughened to provide a suitable key. Where possible, for optimum performance and adhesion, surfaces should be abrasive blasted before application of Plasmet 'R' to ISO 8501-1 Sa 2½ or equivalent with 75 micron profile in accordance with data sheet SP1. Surfaces should be dry.

### Application equipment

Brush, trowel or other suitable implement.

### Application

Plasmet 'T' should be applied thinly enough to avoid runs or sags in the coating.

### Mixing ratio / mixing

2.5:1 Base to activator by weight.

Pour all of component 'A' into component 'B' and mix **thoroughly**. The material is now ready for use and should be applied as soon as possible. Product should not be applied at temperatures below 5°C.

### Pot life

Variable with temperature and mass, but approximately:

20°C: 50-90 minutes

30°C: 50-60 minutes

35°C: 40-50 minutes

### Packaging

0.5kg, 1kg & 5kg

### Storage life

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

### Colour

Black

### Specific gravity

1.2 gms/cc.

### Flash point

In excess of 100°C (212°F)

### Catalyst type

Modified cyclo-aliphatic/aliphatic amine.

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### Chemical resistance

Good.

### Abrasion resistance

Good.

### Mechanical strength

High.

### Cleaning solvent

Xylene, Toluene, Methyl Ethyl Ketone.

### Cure time

Variable dependent upon film thickness and temperature, but at 20°C tack free 8-9 hours and full cure 4-5 days. However, material may be usable in service before full cure is attained. Post cure at temperatures up to 100°C will speed cure, improve hardness and aid machining, see below.

Should a second application of Plasmet 'T' be required, this should take place within the overcoating times specified below.

### Overcoating

Where more than one coat is required, Plasmet 'T' should be over-coated with itself within the following time periods:

#### Ambient temperature

0°C to 10°C Minimum 24 hours, maximum 36 hours.

10°C to 25°C Minimum 7 hours, maximum 18 hours

25°C to 35°C Minimum 3 hours, maximum 12 hours

At low temperatures and high humidity, amine bloom may occur, evidenced by a dull greenish tinge on the surface.

Where this occurs the bloom must be removed by abrading the surface before overcoating is carried out.

Reviewed 03/2009

Reviewed 02/2014 (No changes)

Reviewed 10/2017 (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.