CORROCOAT

PLASMET Z RANGE

Tough on Rust

PLASMET ZF
Surface Tolerant Coating

A rust tolerant coating requiring minimal surface preparation, Plasmet ZF offers long term resistance to corrosion attack for applications ranging from structural steel through pipework to tank externals. The product can also be used as a high quality primer on new and gritblasted steelwork for both internal and external applications.

Low surface preparation costs, combined with long life cycles provide cost effective corrosion control.

A polyamide cured epoxy compound, Plasmet ZF is manufactured as a rust converter and neutraliser with corrosion inhibition. The addition of Glassflake provides an excellent moisture vapour barrier, allowing this material to be used on its own or with a top coat.

- Plasmet ZF is applied direct to the substrate by brush, roller or airless spray, after the removal of grease and other contaminants, followed by the removal of loose rust by wire brush, scraper or needle gun.
- Plasmet ZF is ideal for use in applications where surface preparation by grit blasting is not attainable or constitutes too costly an alternative.
- Plasmet ZF can be used in either single or multiple coats for protection over rusted surfaces.
- Plasmet ZF can also be used as an inhibitive coating on new ferrous surfaces.
- Plasmet ZF is tough, durable, tolerant of surface traffic and provides effective protection in both atmospheric and immersed environments.
- Because Plasmet is formulated to perform well on poorly prepared surfaces, when applied to well prepared surfaces the performance is outstanding. This product provides an excellent inhibitive primer/corrosion protection layer for a wide variety of paints and coatings.
- Applied to grit blasted surfaces, Plasmet ZF is the ultimate corrosion protection primer.

When used as a standalone coating, Plasmet ZF provides excellent protection against corrosion. For increased chemical resistance and to achieve an improved decorative appearance, the material may be overcoated with Plasmet ZX, Plasmet ZE or many other compatible materials.

PLASMET ZX
High Performance Top Coat

- A good gloss and chemical resistant polyamide cured top coat, Plasmet ZX is recommended for overcoating Plasmet ZF and other epoxy based primers, where chemical resistance and decorative appearance are of importance.

- Although its use is mainly in atmospheric conditions, Plasmet ZX can be used in immersion environments. The product can be brush or spray applied and overcoated by itself for up to 48 hours.

PLASMET ECP

- Plasmet ECP is ideal for use on damp surfaces which for operational reasons cannot be completely dried out prior to application. The presence of moisture has no detrimental effects on the material's curing properties.

- Widely used in single coat applications as a concrete and masonry sealant to prevent dusting and moisture penetration in sensitive areas, Plasmet ECP is also used as a concrete primer for other coating materials.

- Plasmet ECP may also be applied as a primer to correctly blasted and prepared steel substrates.

PLASMET ZE

- A low gloss highly chemical resistant Glassflake epoxy, Plasmet ZE can be applied either on top of ZF or ECP primers or on gritblasted surfaces direct to a metal substrate.

- Plasmet ZE has excellent abrasion and wear resistance. In addition to its many other applications, it may be used as a deck or floor coating.

CORROTHANE AP1

- Corrothane AP1 is a high performance cosmetic polyurethane top coat used for overcoating ZF and other epoxy based primers.

- Corrothane AP1 provides a good decorative appearance combined with excellent weathering and UV resistance.

- Corrothane AP1 is available in a selected range of colours dependent upon quantity.

PRODUCT DATA

PLASMET ZF

Packaging:
1, 5 and 10 litre composites

Storage Life:
18 months min. unopened tins

Colour Availability:
Black, Red Oxide,
Light Grey, Green

Recommended DFT:
As a primer in atmospheric conditions, one coat @150 microns
As a stand alone in atmospheric conditions, two coats @ 100 microns
As a primer for immersion conditions, two coats @125 microns
As a stand alone in immersion conditions, two coats @ 150 microns

Pot Life:
2 hours for brush/roller or
1 hour for spray

Volume Solids:
57%

Practical Spreading Rate:
2.6m^2 per litre at 175 microns dft

Specific Gravity:
1.8gms/cc - base and activator mixed

Mixing Ratio:
3:1 base to activator by volume
7:1 base to activator by weight

Dry/Cure Time:
36 hours @ 5˚C
20 hours @ 20˚C
10 hours @ 30˚C

Overcoating:
Minimum as dry/cure time
Maximum 7 days

Thinners:
Xylene may be used as a thinner where necessary

Cleaning Solvent:
Xylene, Toluene or
Methyl Ethyl Ketone

PLASMET ZX

Packaging:
1, 5 and 10 litre composites

Storage Life:
18 months min. unopened tins

Colour Availability:
Standard White - limited range of other colours available

Recommended DFT:
100 microns nominal

Pot Life:
50 minutes @ 20˚C

Volume Solids:
90%

Practical Spreading Rate:
5.5m^2 per litre

Specific Gravity:
1.1gms/cc - base and activator mixed

Mixing Ratio:
2:1 base to activator by weight

Dry/Cure Time:
Approximately 24 hours at 5˚C
Approximately 18 hours at 20˚C
Approximately 10 hours at 30˚C

Overcoating:
Overcoating should be kept to a minimum. Minimum 6 hours, maximum 40 hours @ 20˚C.
Will vary significantly with temperature.

Thinners:
Not recommended

Cleaning Solvent:
Xylene, Toluene or
Methyl Ethyl Ketone

PLASMET ECP

Packaging:
10 and 20 litre composites

Storage Life:
18 months min. unopened tins

Colour Availability:
Translucent Amber

Recommended DFT:
Generally one coat
@100-175 microns

Pot Life:
Ca. 75 minutes @ 20˚C (varying significantly with temperature)

Volume Solids:
89.5%

Practical Spreading Rate:
5.7m^2 per litre at 175 microns dft

Specific Gravity:
1.06g/cm^3

Mixing Ratio:
100 parts base : 75 parts activator
Adhesion promoter max
1% of total mix

Dry/Cure Time:
Tack-free - ca 8 hours @ 20˚C
Or for immersion: 3 days @ 20˚C
Optimum chemical resistance requires post cure

Overcoating:
Minimum: 8 hours at 20˚C
Maximum: 2 days
Will vary significantly with temperature

Thinners:
Do not thin

Cleaning Solvent:
Acetone, methyl ethyl ketone, xylene, epoxy equipment cleaner

CORROTHANE AP1

Packaging:
5, 10 and 20 litre composites

Storage Life:
18 months min. unopened tins

Colour Availability:
Light and mid grey - other colours available subject to quantity

Recommended DFT:
Typically as a single coat at 50 microns dft

Pot Life:
2 hours @ 20˚C

Volume Solids:
65%

Practical Spreading Rate:
13m^2 per litre at 50 microns dft

Specific Gravity:
1.54g/cm^3

Mixing Ratio:
7:1 base to activator by volume

Dry/Cure Time:
Tack-free - ca 5 hours @ 20˚C
Tack-free - ca 4 hours @ 30˚C

Overcoating:
Minimum overcoating times as tack-free

Thinners:
Do not thin

Cleaning Solvent:
Corrocoat epoxy equipment cleaner

This information is offered in good faith but without guarantee or liability.

Please refer to the individual Technical Data Sheets on each product for a detailed guide to mixing and application.

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