Product reference: 5/40



Product title: Corrothane AP1

Valid from: 11th April 1996

Last reviewed: July 2019

## Type

A 2-pack, solvent borne, isocyanate-free polyurethane/ acrylic top coat.

## Suggested use

As a high performance cosmetic top coat used primarily over the top of other Corrocoat epoxy based coatings to give color retention and weathering properties. Designed for use on new construction and maintenance work on marine and offshore structural work and in aggressive atmospheric service environments.

## Health & safety

Before handling this product the material safety data sheet should be read and all precautions observed.

## Surface preparation

Corrothane AP1 is designed as a top coat for other Corrocoat products, predominantly Plasmet ZF. Please refer to the relevant application data sheet for the prime/ build coat for surface preparation details. The build coat should be free from contamination/grease prior to application of the Corrothane AP1.

## Application equipment

Airless spray, brush or conventional spray. For airless spray recommended tip size 13-19 thou. Spray pressure 2,200-2,700 psi.

## Application

Typically as a single coat by brush or spray at 2 mils (50 microns) dft per coat (approximately 3 mils (80 microns) wet film thickness).

## Mixing ratio

7:1 base to activator by volume.

## Pot life

2 Hours at 68°F (20°C);

40 Minutes at 95°F (35°C)

## Thinners

**DO NOT THIN.** Use of thinners may adversely affect the performance of this product.

## Color availability

Light and mid grey. Other colors available subject to quantity. Price may vary with color.

## Volume solids

65%

## Theoretical spreading rate

530 sf per gal at 2 mils (13m²/litre at 50 microns) dft.

(Practical coverage values will depend upon environmental/ application conditions, operator technique and geometry of work. Appropriate loss factors should be taken into account. Corrocoat accepts no liability for any differences in actual spreading values obtained.)

## Specific gravity

0.05lbs/cubic inch (1.54 g/cm$^{-3}$

## Dry / cure time

68°F (20°C) hard dry in 5 hours; 95°F (35°C) hard dry in 4 hours



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## Overcoating time

Minimum overcoating times as above hard dry times. Overcoating before these times may result in solvent entrapment. Corrothane AP1 has an indefinite overcoating time with itself, as long as the substrate is decontaminated and abraded on old coatings.

## Cleaning solvent

Corrocoat Epoxy Equipment Cleaner.

Reviewed 10/2001 (No changes)
Reviewed 02/2014 (No changes)
Reviewed 05/2016 (No changes
Revised 07/2019

All values are approximate. Physical data is based on the product being in good condition before polymerization, correctly catalyzed and full cure being attained. Unless otherwise stated, physical data is based on a test temperature of 68°F (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.



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