

Product Code CFIP30PR

Product Name 2 pack Low VOC Epoxy Chrome Free Anti-Corrosive Primer



Product Description

Latest generation low VOC chrome free epoxy primer formulated on recently available chrome free anti corrosive pigments. Shows significant improvement on corrosion resistance compared with previous widely available chrome free primers.

Has excellent application properties; typical dry film thickness – 25-30µ.



Approvals/Specifications

CFIP30PR has been tested against the performance requirements of multiple aerospace specifications, to include BSX33; MSRR 9064; MIL-PRF-23377 type N, with satisfactory performance recorded.

Awaiting final client approval to process/ component specifications.



Performance

Neutral Salt Spray to ASTM: B117 – 2000+ hours scribed on 2024-T3 aluminium alloy.

Also good on Steel

Dry Heat: 48 hours @ 240°C (400°F); 100 hours @ 180°C (356°F)

Hot Oil: 8 hours @ 176°C (350°F) in ASTM Fluid 101 (ASTM D471)

Fuel: 4 hours @ room temp in ASTM “fuel B”

Skydrol: 336 hours @ 70°C (158°F) in Tri-n-butyl phosphate

Cyclic Corrosion: Resistant to 10 cycles 4 hours at 150°C (300°F) 20 hours in salt-water fog as part of system

Environmental Resistance to temperatures of at least -40°C to 150°C



Components

2 component product

Base component: CFIP30PR

Catalyst: CFIP30CAT

Can be thinned as required with up to 10 % addition IP3-Reducer



Application

Ask for IPAS433- CFIP30PR Application Guide

Surface Preparation



Prior to application the substrate should be thoroughly clean, grease free and dry. Pre-treatment may be used. E.g. Etch primed / Shot blasted /Alocrom 1200, Surtec 650, TCS PAX, etc. CFIP30 has been found to be widely compatible with commercially available conversion coatings although each combination must be tested before approval.

Paint Preparation



Mix 6:1 with CFIP30-CAT

Primer, once mixed should be allowed to stand for 30 minutes prior to use. Always re-stir mixed material after standing.

Ready for use but can be thinned with 5% IP3-Reducer if required.

Application Method



Apply by spray; Compliant Spray Guns recommended, but HVLP guns can also be used. Can be applied by airless spray. Touch up areas may be brushed.

Drying Curing



Air dry: Touch Dry: 45-55 minutes

Hard Dry: 16-24 hours

Minimum temperature – 12°C (54°F) - below this temperature cure will not be effective.

Force dry: Flash off: 15-20 minutes

Cure: 30 -45 minutes @ 80 – 125°C

Alternative Curatives: available on request for application areas requiring faster cure rate.



Technical Properties

Supply Viscosity

1600-1900cps @ 23±2°C, Rotary viscometer

Flash Point

See SDS

VOC Content

See SDS

Colour

Currently available as Green (later may be other limited colour)

Gloss

Matt Primer

Pack Size

5lt, alternative packs subject to request

Density

See SDS (colour specific)

Thinner

IP3-Reducer, IP3-MEG-REDUCER, 665-550-025

Solvent/Clean Up	40006 Gun Wash
Catalyst	CFIP30-CAT
Theoretical Coverage	15-20 m ² /l @ 25 microns dft



Recommended Storage

Highly flammable liquid: store and use in accordance with the flammable liquid regulations

Shelf Life: 12 months temperate; 6 months tropical

Before use, refer to Product Safety Data Sheet

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Safety Data Sheets

For Safety Data Sheets please contact our Sales Department:

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