



P-1040 - CHROME FREE - EPOXY PRIMER

Item Class

Chromate Free - Fluid Resistant Epoxy Primer

P-1040 is a Non Chrome - Fluid resistant epoxy primer. It is solvent, corrosion and chemical resistant and used for both commercial and military aerospace applications.. This coating is highly recommended for use on both aluminum and composite substrates. P-1040 may be applied in multiple coats to achieve desired mil thickness. P-1040 is fully sandable and insures maximum adhesion and corrosion resistance properties. It may also be tinted into various colors.

Specifications

Product is manufactured to meet the performance requirements of the following

AMS 3095

MIL-PRF-23377

DHMS C4.01 Ty 3 Gr A

Catalysts & Additives

CATALYSTS
631

Surface Preparation

Proper surface preparation and cleaning is essential to insure adhesion of primer to substrate. Prepare substrate per OEM requirements. Contact your local 3Chem representative for detailed preparation process depending on application.

Mixing Instructions

BASE	CATALYST	THINNERS (Optional)	MIX RATIO
P-1040	631	CM100	1:1

*Shake Comp. "A" (Base) for 10-15 minutes. Mix comp. "A" (Base) and comp. "B" (Catalyst) 1:1 by volume. No induction time is necessary. However, make sure to thoroughly mix admixed material for at least 5 minutes. Admixed material may be reduced to desired viscosity using 3CHEM thinner CM100, using caution as use of solvents will increase VOC.

Induction Time

Although no induction time is needed. Once mixed together, insure that admixed material is continuously stirred for at least 5-10 minutes before proceeding.

Spraying Viscosity

19-24 SECONDS WITH #2 ZAHN CUP

Pot Life

16 HOURS (21 DEGREES C, 70 DEGREES F)



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Film Thickness

0.8 TO 1.2 MILS

Application Instructions

Temperature and Humidity

	MIN	MAX
TEMPERATURE C	14	36
TEMPERATURE F	55	96
HUMIDITY	34%	74%

Spray equipment

SPRAY GUN TYPE	TIP SIZE
CONVENTIONAL AIR GUN	1.2 - 1.4 mm
HVLP	1.2 to 1.4 mm
ELECTROSTATIC AIR GUN	1.2 or 1.5 mm

Number of Coats:

Apply a single even wet coat within film thickness recommendations.

Note: Maximum overcoat window without reactivation is 48 hours.

Dry Times:

DUST FREE	15 MINUTES
TACK FREE	2 HOURS
DRY HARD	3 HOURS
TO TOP COAT	1 HOUR

Theoretical Coverage

350 - 375 sq. ft. / gallon @ 1 mil

9 m² / liter @ 1 mil

*Coverage based on 100% transfer rate

Color

WHITE

*Tintable to various other colors

Gloss

10 MAXIMUM @ 60 DEGREE

Volatile Organic Compound

340 g/l maximum with no reducer added

Shelf Life

24 MONTHS (IF STORED IN CLIMATE CONTROLLED ENVIRONMENT BETWEEN 60-80 F) *Product may be re-certified upon inspection by 3Chem.

Safety Instructions

READ SAFETY DATA SHEET (S.D.S) AND PRODUCT LABEL BEFORE UTILIZING THIS PRODUCT. SDS IS AVAILABLE AT www.3chem.com.