



P-1042 - FUEL TANK COATING

Item Class

Polyurethane Fuel Tank Coating

P-1042 is a polyurethane fuel tank coating. It is solvent, corrosion and chemical resistant and used to protect integral aircraft fuel tanks. It works very well against fuel contaminants and corrosion. P-1042 is also Lead-free.

Specifications

Product is manufactured to meet the performance requirements of the following specifications:

AMS-C-27725, Type I & II, Class A & B

BAMS 565-010

DMS 1850, Ty I, Comp B

DHMS C4.06, Amend 1

Catalysts & Additives

CATALYSTS
632

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	ADDITIVE	MIX RATIO
P-1042	632	N/A	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.

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

18-24 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.

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

YELLOW

Gloss

10 MAXIMUM @ 60 DEGREE

Volatile Organic Compound

400 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.