



DFT-074

DELFLLEET® Evolution

F4943/F4943BK/F4943WH

2.1 VOC Fast Dry Urethane Sealer

Delfleet Evolution F4943/F4943BK/F4943WH 2.1 VOC Fast Dry Urethane Sealer is a lead and chromate free urethane designed to provide excellent gloss holdout. This product can be topcoated in as little as 15 minutes, making it an excellent choice for production minded fleet refinishers.

Products

2.1 VOC Fast Dry Urethane Sealer Gray	F4943
2.1 VOC Fast Dry Urethane Sealer Black	F4943BK
2.1 VOC Fast Dry Urethane Sealer White	F4943WH
Medium Solids Hardener	F4933
Exempt Solvent	F3385
Exempt Solvent Medium	F3390
Exempt Solvent Slow	F3395

Compatible Surfaces

F4943/F4943BK/F4943WH may be applied over:

- Properly prepared OEM finishes and fiberglass
- F3950 High Solids Epoxy Primer
- F3955 Conventional Epoxy Primer
- F3960 Pigmented Chrome Etch Primer
- F3963 Chrome Etch Primer
- F3946 Non Chrome Etch Primer
- F3970 Ultra High Solids Primer
- F3975 Fast Dry Surfacer
- F3980 High Solids Primer
- F3993/95/97 Epoxy Primers
- F4921 2.1 VOC Epoxy Primer
- F4932 2.1 VOC Fast Dry Urethane Surfacer
- F4935/36/37 High Solids Epoxy Primers
- F4945 5.5 VOC Wash Primer

Wash the area to be painted with soap and water, then clean with an appropriate PPG cleaner.

Sand the bare metal areas completely with 180-240 grit abrasive. Sand old finishes with 320-400 grit dry by hand or machine or 400-500 grit wet.

Exposed bare metal should be spot primed with a suitable bare metal primer.

Denib 320 – 400



F4943/F4943BK/F4943WH

Application Data

Selection of
Substrate Cleaner:

ONECHOICE® Commercial
CFX Cleaners



Code	Product	Purpose
CFX435LV	Low VOC Cleaner	Compliant cleaner suitable for removing dirt, grease or other contaminants before or during the painting process.
CFX436	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process.
CFX437	Heavy Duty Wax & Grease Remover	Used to remove heavy milling oils and grease from bare substrates prior to the painting process.

Mixing Ratio:



F4943/BK/WH	:	F4933	:	F3385/F3390/F3395
3	:	1	:	1

Pot Life @ 70°F (21°C) /
50% RH:



3 hours
<i>(Heat and humidity will shorten pot life)</i>

Spray Viscosity:



#2 ZAHN CUP	#3 ZAHN CUP	4DIN
23 seconds	10 seconds	17 seconds

Spray Gun Set-up:



	HVLP	COMPLIANT
Fluid Tip:	1.3 – 1.5 mm	1.3 – 1.5 mm
Air Pressure:	10 PSI at the cap	45 – 55 PSI
Pressure Pot Set-up:	1.0 – 1.4 mm with 8 – 12 fluid ounces per minute	1.0 – 1.4 mm with 8 – 12 fluid ounces per minute

Number of Coats:



1 coat

F4943/F4943BK/F4943WH

Application Data (continued)

Dry Times:



Dust-Free:
70°F (21°C) 10 minutes



Tape Time:
70°F (21°C) 3 hours
140°F (60°C) 30 minutes



Topcoat:
70°F (21°C) 15 – 30 minutes

Overcoat/Recoat:
70°F (21°C) 3 days (Maximum before sanding is required)

**Force dry times are for quoted metal temperature. Additional time should be allowed in the force-drying schedule to allow metal to reach recommended temperature.*

Film Build:

	Wet Film (per coat)	Dry (total)
Minimum	2.3 mils	1.0 mils
Maximum	3.3 mils	1.5 mils

Theoretical Coverage:

566 sq. ft.

Theoretical coverage in sq. ft. /US gal. Ready-to-spray (RTS), giving 1 mil. (25µm) dry film thickness (Assuming 100% Transfer Efficiency).

Physical Characteristics:

	F4943/BK/WH Package	F4943/BK/WH: F4933 : F33xx (3:1:1)
Total Solids By Volume	45.6-46.6%	35.0-35.6%
Total Solids By Weight	59.0-60.7%	43.9-47.1%

RTS Combinations	F4943/BK/WH: F4933	F4943/BK/WH: F4933 : F33xx
Volume Ratio	3 : 1	3 : 1 : 1
Applicable Use Category	Primer Sealer	Primer Sealer
VOC Actual	134-137 (g/L)	107-110 (g/L)
VOC Actual	1.12-1.14 (lbs/gal)	0.89-0.92 (lbs/gal)
VOC Regulatory (less water less exempt)	226-236 (g/L)	226-230 (g/L)
VOC Regulatory (less water less exempt)	1.89-1.92 (lbs/gal)	1.89-1.92 (lbs/gal)
Density	1423-1456 (g/L)	1352-1433 (g/L)
Density	11.88-12.15 (lbs/gal)	11.28-11.96 (lbs/gal)
Volatiles wt.	44.3-45.7 %	52.9-56.1 %
Water wt.	0.0 %	0.0 %
Exempt wt.	34.9-36.1 %	44.9-48.3 %
Water vol.	0.0 %	0.0 %
Exempt vol.	40.0-41.0 %	51.8-52.8 %
Solids vol.	43.8-44.5 %	35.0-35.6 %

Health and Safety:

Safety Data Sheets (SDS) for the PPG products mentioned in this publication are available through www.ppgcommercialcoatings.com (Safety, SDS Search) or your PPG Distributor.

For additional information regarding this product, see the SDS and LABEL information.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320 AND IN MEXICO 01-800-00-21-400.

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.



PPG Industries
Commercial Coatings
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive, Unit #6
Mississauga, Ontario L5J 1K5
1-888-310-4762