



DFT-060

Delfleet® Evolution

FDXH

**Chemical Resistant
Single-Stage Topcoat**

Delfleet Evolution FDXH is a single-stage, 3.5 VOC polyurethane topcoat designed to provide resistance to graffiti and a wide range of fluids and chemicals, including muriatic acid and Skydrol®.

FDXH is available in the full range of Delfleet Evolution solid colors and achieves a smooth, hard, high-gloss finish. A selection of activators allows for superior application performance in a variety of shop conditions.

Products

FDXH Color	FDXH
Chem Resistant Hardener	F3275
CR Activator – Fast	F3475
CR Activator – Medium	F3476
CR Activator – Slow	F3477
CR Activator – Very Slow	F3478

Compatible Surfaces

FDXH may be applied over:

- Properly cleaned and sanded OEM enamels and cured finishes
- F3966 Non-Chrome Etch Primer (**Must** be sealed for optimum performance)
- F3970 Ultra High Solids Primer
- F3950 High Solids Epoxy Primer
- F3975 Fast Dry Surfacer
- F3985/F3986/F3987 Pigmented Sealers White/Gray/Black.
- F3993/F3994/F3995 Conventional Epoxy Primer
- F3980 High Solids Primer
- F3960 Pigmented Chrome Etch Primer (**Must** be sealed for optimum performance)
- F3983 High Solids Fast Dry Primer
- F3963 Chrome Etch Primer (**Must** be sealed for optimum performance)

When sanding prior to the application of FDXH, use 320 – 400 grit wet or dry.



FDXH

Application Data

Selection of Substrate Cleaner:



Code	Product	Purpose
DX436	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process.
DX437	Heavy Duty Wax & Grease Remover	Used to remove heavy milling oils and grease from bare substrates prior to the painting process.

Mixing Ratio:



Activator (F347x) should be chosen based on shop conditions and required dry speed.

FDXH	:	F3275 Hardener	:	F347x Activator
3	:	2	:	1

Pot Life @ 70°F / 50% RH:



2 to 3 hours

High heat and humidity will shorten pot life.

Spray Viscosity:



#2 ZAHN CUP	#3 ZAHN CUP	4DIN	6DIN	8DIN
18 – 22 seconds	7 – 10 seconds	12 – 15 seconds	N/A	N/A

Spray Gun Set-up:



	HVLP	CONVENTIONAL
Fluid Tip:	1.3 – 1.5 mm	1.3 – 1.5 mm
Air Pressure:	10 PSI at the cap	45 – 60 PSI
Pressure Pot Set-up:	1.0 – 1.4 mm with 8 – 12 fluid ounces/minute	1.0 – 1.4 mm with 8 – 12 fluid ounces/minute

Number of Coats:



2 coats (minimum 15 minutes flash between coats)

Dry Times:



Shop conditions and choice of activator will affect dry times.

Dust-free:	
70°F (21°C)	60 – 90 minutes



Tape Time:	
70°F (21°C)	3 – 4 hours
140°F (60°C)	60 – 100 minutes*



**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.*



Overcoat/Recoat:	
70°F (21°C)	1 hour minimum 48 hours maximum Maximum time is required before sanding. (Heat and humidity will shorten Overcoat/Recoat window.)

A full cure of 7 days is required in order to provide desired chemical and fluid resistance performance.

Total Film Build:		Wet	Dry
	Minimum	3.0 mils	1.5 mils
	Maximum	6.0 mils	3.0 mils
Theoretical Coverage:	690 to 740 sq. ft. depending on color.		
	<i>Theoretical coverage in sq. ft. /U.S. gallon ready-to-spray (RTS), giving 1 mil. (25µm) dry film thickness (assuming 100% transfer efficiency).</i>		
Physical Characteristics:	VOC		
	Package VOC Actual	2.98 – 4.20 lbs/gal (357 – 503 g/l)	
	Package VOC Regulatory Less Water, Less Exempts	2.98 – 4.20 lbs/gal (357 – 503 g/l)	
	3:2:1 RTS VOC Regulatory Less Water, Less Exempts	2.79 – 3.50 lbs/gal (334 – 419 g/l)	
	Total Solids By Weight (RTS):	49.0 - 55.07%	
	Total Solids By Volume (RTS):	43.0 – 46.0%	

Health and Safety:



Please refer to Material Data Safety Sheets (MSDS) for full health safety details and storage regulations.

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515. IN CANADA (514) 645-1320.

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.

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