



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
<b>Fluid Tip:</b>	1.3 – 1.5 mm	1.3 – 1.5 mm
<b>Air Pressure:</b>	10 PSI at the cap	45 – 60 PSI
<b>Pressure Pot Set-up:</b>	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.



<b>Dust-free:</b>	
70°F (21°C)	60 – 90 minutes



<b>Tape Time:</b>	
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.*



<b>Overcoat/Recoat:</b>	
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.*

<b>Total Film Build:</b>		<b>Wet</b>	<b>Dry</b>
	Minimum	3.0 mils	1.5 mils
	Maximum	6.0 mils	3.0 mils
<b>Theoretical Coverage:</b>	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>		
<b>Physical Characteristics:</b>	<b>VOC</b>		
	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)	
	<b>Total Solids By Weight (RTS):</b>	49.0 - 55.07%	
	<b>Total Solids By Volume (RTS):</b>	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.**

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