



DFT-060

DELFLLEET® 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
Chemical 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
- F3950 High Solids Epoxy Primer
- F3960 Pigmented Chrome Etch Primer (**Must** be sealed for optimum performance)
- F3963 Chrome Etch Primer (**Must** be sealed for optimum performance)
- F3966 Non-Chrome Etch Primer (**Must** be sealed for optimum performance)
- F3970 Ultra High Solids Primer
- F3975 Fast Dry Surfacer
- F3980 High Solids Primer
- F3983 High Solids Fast Dry Primer
- F3985/86/87 Pigmented Sealers White/Gray/Black
- F3993/95/97 Conventional Epoxy Primers
- F4921 2.1 VOC Epoxy Primer
- F4935/36/37 High Solids Epoxy Primers
- F4943 2.1 VOC Fast Dry Urethane Sealer

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



FDXH

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:



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 (21°C) / 50% RH:



2 to 3 hours

High heat and humidity will shorten pot life.

Spray Viscosity:



#2 ZAHN CUP	#3 ZAHN CUP	4DIN
18 – 22 seconds	7 – 10 seconds	12 – 15 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 – 60 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:



2 coats (minimum 15 minutes flash between coats)

FDXH

Application Data (continued)

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
Sanding is required after maximum time

(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.

Film Build:

	Wet (per coat)	Dry (total)
Minimum	3.0 mils	1.5 mils
Maximum	6.0 mils	3.0 mils

Physical Characteristics:

RTS Combinations	FDXH color	FDXH : F3275 : F347X
Volume Ratio	As is	3 : 2 : 1
Applicable Use Category	Single-Stage Ctg	Single-Stage Ctg
VOC Actual	459 - 498 (g/L) 3.83 - 4.16 (lbs/gal)	339 - 359 (g/L) 2.83 - 2.99 (lbs/gal)
VOC Regulatory (less water less exempt)	459 - 498 (g/L) 3.83 - 4.16 (lbs/gal)	393 - 417 (g/L) 3.28 - 3.48 (lbs/gal)
Density	972 - 1331 (g/L) 8.11 - 11.11 (lbs/gal)	1035 - 1215 (g/L) 8.64 - 10.14 (lbs/gal)
Volatiles wt.	34.5 - 51.3 %	41.6 - 50.8 %
Water wt.	0.0 %	0.0 %
Exempt wt.	0.0 %	13.7 - 16.1 %
Water vol.	0.0 %	0.0 %
Exempt vol.	0.0 %	13.8 %
Solids vol.	40.9 - 46.3 %	43.5 - 46.2 %
Theoretical coverage in Sq. Ft./US gal. Ready-to-spray (RTS), giving 1 mil. (25 µm) dry film thickness (Assuming 100% Transfer Efficiency)	n/a	698 - 741

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.

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