



DFT-056

DELFLLEET® Evolution

FBCS

High Solids Polyurethane Basecoat – Fast

FBCS is a fast drying, 3.5 VOC (max) basecoat that when clear coated, provides the ultimate durability and appearance favored by fleet refinishers. The basecoat is ready for clear coating in as little as 30 minutes. FBCS is easily blended to produce invisible repairs and is available in a wide range of solid, metallic, pearl, OEM and customer specific colors.

This product is sensitive to high temperature/humidity conditions and is designed for applications where extended pot life is not a requirement.

Products

FBCS Color	FBCS
High Solids Hardener	F3200
High Solids Hardener–Fast	F3260
Fast Thinner	F3320
Medium Thinner	F3330
Slow Thinner	F3340
Extra Slow Thinner	F3350
Retarder	F3360
Exempt Solvent	F3385

Compatible Surfaces

FBCS 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
- 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 FBCS, use 220–400 grit wet or dry.



FBCS

Application Data

Selection of Substrate Cleaner:		Code	Product	Purpose		
ONECHOICE® Commercial CFX Cleaners		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:		FBCS : F3200/F3260 : F33xx (Optional)				
		3 : 1 : 10%				
Pot Life @ 70°F (21°C) / 50% RH:		1 to 2 hours				
		<i>High heat and humidity will shorten pot life.</i>				
Spray Viscosity:		#2 ZAHN CUP	#3 ZAHN CUP	4DIN	6DIN	8DIN
		0 – 30 seconds	10 – 20 seconds	10 – 20 seconds	5 – 15 seconds	Up to 10 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 – 65 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 cross coat or until hiding				

FBCS

Application Data (continued)

Dry Times:



Dust-Free:

70°F (21°C)

10 minutes



Tape Time:

70°F (21°C)

30 minutes to 1 hour

140°F (60°C)*

40 minutes



Overcoat/Recoat:

70°F (21°C)

30 minutes to 8 hours

(Max 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
(per coat)**

**Dry
(total)**

Minimum

2.0 mils

1.0 mil

Maximum

6.0 mils

3.0 mils

Theoretical Coverage:

883 sq. ft. (Avg.)

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

Compatible Clearcoats:

- F3905 High Build Clear
- F3910 High Performance Clear
- F3920 High Solids Clear
- F3930 Conventional Solids Clear

Physical Characteristics:

RTS Combinations	FBCS color (package)	FBCS : F32X0 + F3385	FBCS : F32X0 + F33X0
Volume Ratio	N/A	3 : 1 + 10%	3 : 1 + 10%
Applicable Use Category	Color Coating	Color Coating	Color Coating
VOC Actual	364 - 431 (g/L) 3.04 - 3.60 (lbs/gal)	285 - 331 (g/L) 2.38 - 2.76 (lbs/gal)	363 - 408 (g/L) 3.03 - 3.41 (lbs/gal)
VOC Regulatory (less water less exempt)	364 - 431 (g/L) 3.04 - 3.60 (lbs/gal)	314 - 364 (g/L) 2.62 - 3.04 (lbs/gal)	363 - 408 (g/L) 3.03 - 3.41 (lbs/gal)
Density	1077 - 1143 (g/L) 8.99 - 9.54 (lbs/gal)	1080 - 1124 (g/L) 9.01 - 9.38 (lbs/gal)	1061 - 1105 (g/L) 8.85 - 9.22 (lbs/gal)
Volatiles wt.	33.8 - 37.8 %	35.4 - 38.0 %	34.2 - 37.0%
Water wt.	0.0 %	0.0 %	0.0 %
Exempt wt.	0.0 %	9.0 - 8.6 %	0.0 %
Water vol.	0.0 %	0.0 %	0.0 %
Exempt vol.	0.0 %	9.0-9.1 %	0.0 %
Solids vol.	50.0 - 57.7 %	52.6 - 57.9 %	52.6 - 57.9 %
Sq. Ft. Coverage / U.S. gal. (1 mil. @ 100% transfer efficiency)	N/A	844 - 929 sq. ft.	844 - 929 sq. ft.

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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