



DFT-001

Delfleet® Evolution

FBCH

High Solids Polyurethane Basecoat

FBCH is a fast drying, 3.5 VOC (max) basecoat that, when clearcoated, provides the ultimate durability with the appearance favored by fleet refinishers. The basecoat is ready for clearcoat in as little as 30 minutes.

FBCH is available in a wide range of solid, metallic, pearl, OEM and customer specific colors. FBCH metallic and pearl colors provide exceptional pattern control without the need to correct appearance.

The product is easily blended to produce invisible repairs.

Products

FBCH Color	FBCH
High Solids Hardener	F3200
High Solids Hardener – Fast	F3260
BC Dry Additive – Spot Repair/Stripe Use	F3440
BC Dry Additive – Fast	F3441
BC Dry Additive – Slow	F3442

Compatible Surfaces

FBCH 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
- F3998 2.1 VOC Primer Surfacer
- 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 FBCH, use 320 – 400 grit wet or dry.



FBCH

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:



Choose between F3440 (Spot Repair) F3441 (Fast) and F3442 (Slow) based on shop conditions and required dry speed.

FBCH	:	F3200/F3260	:	F3440/F3441/F3442
3	:	1	:	1

Pot Life @70°F / 50% RH:



With F3440: 0.5 – 1.5 Hours

With F3441: 1.5 – 2 Hours

With F3442: 6 – 8 Hours

(Heat and humidity will shorten pot life)

Spray Viscosity:

#2 ZAHN CUP	#3 ZAHN CUP	4DIN	6DIN	8DIN
18 – 24 seconds	7 – 10 seconds	12 – 16 seconds	4 – 8 seconds	N/A

Spraygun 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/min.	1.0 – 1.4 mm with 8 – 12 fluid ounces/min.

Number of Coats:



1 cross coat or until hiding

Drying times:



	F3440 w/ F3200 Hardener	F3441 w/ F3200 Hardener	F3442 w/ F3200 Hardener
Dust-free: 70°F (21°C)	30 – 60 minutes	45 – 75 minutes	2 – 3 hours
Tape Time: 70°F (21°C) 140°F (60° C)	2 – 3 hours 45 – 75 minutes	2.5 – 4 hours 45 – 90 minutes	6 – 8 hours 1.5 – 3 hours

	F3440 w/ F3260 Hardener	F3441 w/ F3260 Hardener	F3442 w/ F3260 Hardener
Dust-free: 70°F (21°C)	30 minutes	30 – 45 minutes	60 – 90 minutes
Tape Time: 70°F (21°C) 140°F (60° C)	1 – 2 hours 0.5 – 1 hour	2.5 – 3.5 hours 0.5 – 1 hour	5 – 7 hours 1 – 2 hours

Note: All force dry times are quoted for metal temperature. Additional time must be allowed during force dry to allow metal to reach recommended temperature.



Overcoat / Recoat: 70°F (21°C)	FBCH w/F3440	FBCH w/F3441	FBCH w/F3442
	30 minutes minimum 4 hours maximum (max before sanding is required)	30 minutes minimum 16 hours maximum (max before sanding is required)	1 hour minimum 72 hours maximum (max before sanding is required)
(Heat and humidity will shorten Overcoat/Recoat window)			

Total Film Build:

	Wet	Dry
Minimum	2.0 mils	1.0 mils
Maximum	6.0 mils	3.0 mils

Theoretical Coverage:

640 to 760 sq. ft., depending on color

Theoretical coverage in sq. ft. /US 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
- F3911 High Performance Clear
- F3915 Designer Clear
- F3920 High Solids Clear
- F3925 Urethane Clear
- F3930 Conventional Solids Clear

Physical Characteristics:

RTS Combinations:	FBCH color (package)	FBCH : F32X0 : F344X
Volume Ratio:	N/A	3 : 1 : 1
Applicable Use Category	Color Coating	Color Coating
VOC Actual	398 - 503 (g/L) 3.32 - 4.20 (lbs/gal)	271 - 334 (g/L) 2.26 - 2.79 (lbs/gal)
VOC Regulatory (less water less exempt)	398 - 503 (g/L) 3.32 - 4.20 (lbs/gal)	338 - 416 (g/L) 2.82 - 3.47 (lbs/gal)
Density	980 - 1165 (g/L) 8.18 - 9.72 (lbs/gal)	1009-1119 (g/L) 8.42 - 9.34 (lbs/gal)
Volatiles wt. %	34.2 - 51.3	42.1 - 53.0
Water wt. %	0.0	0.0
Exempt wt. %	0.0	0.0
Water vol. %	0.0	0.0
Exempt vol. %	0.0	17.9 - 19.9
Solids vol. %	41.8 - 54.0	41.6 - 49.0
Sq Ft. Coverage / U.S.gal. (1 mil. @ 100% transfer efficiency)	N/A	667- 786

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 general 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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