



DFT-001

**DELFLLEET® 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
Low VOC Hardener	F3240
High Solids BC Hardener	F3259
High Solids BC Hardener	F3260
Fast Dry Additive – Spot Repair / Stripe Use	F3440
BC Dry Additive	F3441
BC Dry Additive - Slow	F3442

Compatible Surfaces
<b><i>FBCH may be applied over:</i></b>
<ul style="list-style-type: none"> <li>• Properly cleaned and sanded OEM enamels and cured finishes</li> <li>• F3950 High Solids Epoxy Primer</li> <li>• F3960 Pigmented Chrome Etch Primer (<b>Must be sealed for optimum performance</b>)</li> <li>• F3963 Chrome Etch Primer (<b>Must be sealed for optimum performance</b>)</li> <li>• F3970 Ultra High Solids Primer</li> <li>• F3975 Fast Dry Surfacer</li> <li>• F3980 High Solids Primer</li> <li>• F3983 High Solids Fast Dry Primer</li> <li>• F3985/F3986/F3987 Pigmented Sealers White/Gray/Black</li> <li>• F3993/95/97 Conventional Epoxy Primer</li> <li>• F3998 2.1 VOC Primer Surfacer</li> <li>• F4921/F4921BK/F4921WH 2.1 VOC Primer</li> <li>• F4935/36/37 High Solids Epoxy Primers</li> <li>• F4940 3.5 VOC Wash Primer (<b>Must wait a minimum of 6 hours after application of F4940 before applying FBCH. Must be sealed for optimum performance.</b>)</li> <li>• F4945 5.5 VOC Wash Primer (<b>Must be sealed for optimum performance</b>)</li> <li>• F4943 2.1 VOC Fast Dry Urethane Sealer</li> </ul>

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



# FBCH

## Application Data

Selection of Substrate Cleaners:



**ONECHOICE® Commercial CFX Cleaners:**

Code	Product	Purpose
<b>CFX435LV</b>	Low VOC Cleaner	Compliant cleaner suitable for removing dirt, grease or other contaminants before or during the painting process.
<b>CFX436</b>	Wax & Grease Remover	Suitable for removing dirt, grease or other contaminants before or during the painting process.
<b>CFX437</b>	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	F3259/F3260	F3440/F3441/F3442
3	1	1

Pot Life @ 70°F (21°C) / 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
18 - 24 seconds	7 - 10 seconds	12 - 16 seconds	4 - 8 seconds

Spray Gun Set-up:



	HVLP	COMPLIANT
<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 per minute	1.0 – 1.4 mm with 8 – 12 fluid ounces per minute

Number of Coats:



1 cross coat or until hiding

# FBCH

## Application Data (continued)

### Dry Times:



**Dust-Free:**

70°F (21°C)

**Tape Time:**

70°F (21°C)

140°F (60°C)

**Overcoat/Recoat:**

70°F (21°C)

	<b>F3440 w/ F3259 Hardener</b>	<b>F3441 w/ F3259 Hardener</b>	<b>F3442 w/ F3259 Hardener</b>
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15-60 minutes

30-60 minutes

60-75 minutes

45-90 minutes

1.5 hours

3-6 hours

15 minutes

15-30 minutes

30-45 minutes

30 minutes min. 4 hours max before sanding is required	1 hour min. 8 hours max before sanding is required	1 hour min. 12 hours max before sanding is required
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	<b>F3440 w/ F3260 Hardener</b>	<b>F3441 w/ F3260 Hardener</b>	<b>F3442 w/ F3260 Hardener</b>
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**Dust-Free:**

70°F (21°C)

**Tape Time:**

70°F (21°C)

140°F (60°C)

**Overcoat/Recoat:**

70°F (21°C)

30-75 minutes

30 – 45 minutes

60 – 90 minutes

1.5 – 2 hours

2 hours

4 – 6 hours

30 minutes

30 – 45 minutes

60 minutes

30 minutes min. 8 hours max before sanding is required	1 hour min. 12 hours max before sanding is required	1 hour min. 24 hours max before sanding is required
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	<b>F3440 w/ F3240 Hardener</b>	<b>F3441 w/ F3240 Hardener</b>	<b>F3442 w/ F3240 Hardener</b>
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**Dust-Free:**

70°F (21°C)

**Tape Time:**

70°F (21°C)

140°F (60°C)

**Overcoat/Recoat:**

70°F (21°C)

45-90 minutes

1-1.75 hours

3 hours

3-4 hours

4-6 hours

8-10 hours

60 minutes min. 72 hours max before sanding is required	60 minutes min. 96 hours max before sanding is required	60 minutes min. 96 hours max before sanding is required
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### F3240- Multi tone/Striping



### Film Build:

	<b>Wet (per coat)</b>	<b>Dry (total)</b>
<b>Minimum</b>	2.0 mils	1.0 mil
<b>Maximum</b>	6.0 mils	3.0 mils

### Compatible Clearcoats:

- F3905 High Build Clear
- F3906 High Build Clear – Slow
- F3911 High Performance Clear
- F3920 High Solids Clear
- F3921 2.1 VOC Clear
- F3930 Conventional Solids Clear

# FBCH

## High Solids Polyurethane Basecoat

Physical Characteristics:	RTS Combinations	FBCH color (package)	FBCH : F3259, F3260, or F3240: 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)	338-418 (g/L) 2.82-3.49 (lbs./gal)		
Density		980-1165 (g/L) 8.18-9.72 (lbs./gal)	1009-1205 (g/L) 8.42-10.06 (lbs./gal)		
Volatiles wt.		34.2-51.3%	42.1-59.2%		
Water wt.		0.0%	0.0-0.2%		
Exempt wt.		0.0%	17.9-30.4%		
Water vol.		0.0%	0.0-0.2%		
Exempt vol.		0.0%	19.7-28.1%		
Solids vol.		41.8-54.0%	37.2-49.0%		
Solids wt.		48.7-65.8%	40.8-57.9%		
Theoretical coverage in sq. ft. /US gal. Ready-to-spray (RTS), giving 1 mil. (25µm) dry film thickness (Assuming 100% Transfer Efficiency)	<b>FBCH : F3259, F3260, or F3240 : F344X</b>				
		Low	High	Low	High
		Volume Solids		Sq Ft Coverage @ 1 mil	
	<b>F3259</b>	41.9%	55.5%	672.1	890.2
	<b>F3260</b>	46.5%	60.2%	745.9	965.6
<b>F3240</b>	45.9%	59.6%	736.4	955.9	

### Health and Safety:



Safety Data Sheets (SDS) for the PPG products mentioned in this publication are available through [www.ppgcommercialcoatings.com](http://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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