

Super Accelerator

DELTA® Fast Dry High Solids Polyurethane

DFHS

DELTA® DFHS finish is a fast-drying, single stage, 3.5 VOC polyurethane designed to maximize productivity in today's fleet refinishing operations. Choice of catalyst, available accelerators and potlife extender make DFHS adaptable to shop conditions. DFHS is out of dust in as little as 30 minutes and quickly cures to a high gloss finish that withstands severe fleet operating conditions. DFHS is available in a wide range of solid, metallic, OEM and custom colors. DFHS is produced using high strength DMHS universal mixing toners and DMHS598 converter.

Features	Advantages	Benefits
Fast air dry	Speeds assembly and delivery	Better shop productivity
 Excellent gloss and leveling 	Painter friendly	Outstanding final appearance
Excellent film properties	Withstands severe environments	 Longer repaint cycles
Compatible Surfaces		
Delta DFHS may be applied over:	DX1793 Chrome Free Self-Etching Primer	OEM Enamels
	DPHS52 Low VOC Primer	 Cured Air Dry Finishes
	DPU174 High Solids Polyurethane Primer	
If sanding prior to the applica	ation of DGHS, use 240 -	600 grit wet or dry.
		Hardeners
High Solids Urethane Harder	DFH535	
		Required Additive Options
Accelerator		DX39
Extender		DX53



CFX849

APPLICATION GUIDE



Mixing Ratio:					
g			DFH535 +	*DX39	
	L-L-1	-	1 part +	9	
		*May substitute DX53 dry times and recoata		e: Substitution will affect pot life, le Chart)	
Pot Life:					
	A B	2 hours @ 70°F 21°C and 50% RH (High heat and humidity will shorten pot life)			
Additives:		Accelerator: No	Recommendation		
		Extender: No Recommendation			
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Spray Gun Set-up:		Fluid Tip 1.0 - 1.4 mm for Pressure Feed/HVLP 1.3 - 1.7 mm for Conventional Feed/HVLP			
		Air Pressure			
		HVLP at air cap 10 PSI			
		Conventional at spray	gun 45-60	PSI	
Minimum Number of Coats:		2 coats or until hiding is achieved			
Total Film Build Per Coat:			Wet	Dry	
		Minimum	1.5 mils	.8 mils	
<u> </u>		Maximum	2.0 mils	1.1 mils	
Flash Time at 70°F 21°C:),),)	Between coats	5-10 minutes		
	<u> </u>	Before force drying	0 minutes DF	H535	
Drying Times:		Air Dry @ 70°F 21°C			
, 0		w/ DX39	w/ DX53	w/ CFX849	
		Dust 30 min.	30 min.	30 min.	
		Tack 90 min. Tape 12 hrs.	90 min. 16 hrs.	1¼ hr. 5 hrs.	
		Tape 12 1115.	101115.	51115.	
Pot Life:	A B	2 hours	3 hours	1 hour	
		Force Dry** w/ DX53 Only			
		Flash 5 min.			
		30 min. @ 120°F			
		15 min. @ 180°F			
		2 hours @ 70°F 21°C and 50% RH			
		(High heat and humidity will shorten pot life)			

^{**} Force drying times are for quoted surface temperature. Additional time should be allowed in the force drying schedule to allow surface to reach recommended temperature.

Recoat time:	5 - 10 minutes minimum dry and up to 24 hours maximum at 70°F (21°C) before sanding is required.					
Repair time:	8 hours @ 70°F (21°C) A 30 minutes after force drie					
Polish:	24 hours @ 70°F (21°C)					
Optional Clearcoating:	Minimum 2 hours @ 70°F After 24 hours, sanding is		irs.			
Physical Characteristics:						
	Gloss (20 degree) 87.8%					
	Gloss Retention (1000 hrs. QUV):	68.7				
	Pencil Hardness * F					
	*Film properties, including pencil hardness are given where ultimate air cure is reached, usually 7 days.					
	RTS Combinations:	DFHS color	DFHS : DFH535 : DX39, CFX849 or DX53			
	Volume Ratio:	As is	4:1:6 oz per RTS gal			
	Applicable Use Category	Single-Stage Coating	Primer Sealer			
	VOC Actual (g/L)	347 - 418	359 - 412			
	VOC Actual (lbs/gal)	2.90 - 3.49	3.00 - 3.44			
	VOC Regulatory (less water less exempt) (g/L)	347 - 418	359 - 413			
	VOC Regulatory (less water less exempt) (lbs/gal)	2.90 - 3.49	3.00 - 3.45			
	Density (g/L)	979 - 1242	993 - 1196			
	Density (lbs/gal)	8.17 - 10.37	8.29 - 9.98			
	Volatiles wt. %	32.3 - 42.6	33.6 - 41.2			
	Water wt. %	0.0	0.0			
	Exempt wt. %	0.0 - 0.4	0.0 - 0.3			
	Water vol. %	0.0	0.0			
	Exempt vol. %	0.0 - 0.4	0.0 - 0.3			
	Solids vol. %	N/A	51.9 - 58.6			
	Sq. Ft. coverage (RTS U.S. gallon. (1 mil at 100% transfer efficiency)	N/A	832 - 940			

Health and Safety

Please refer to Material Safety Data Sheet (MSDS) for full health safety details and storage regulations.

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