

DUHS

DELTA® DUHS Basecoat

DUHS Basecoat is a fast drying, 3.5 VOC basecoat/clearcoat polyurethane designed to produce ultimate durability with the wet-look appearance favored by fleet refinishers. The product is out of dust in as little as 5 -10 minutes, ready to apply a variety of conventional, 3.5 VOC or graffiti-resistant clearcoats. DUHS Basecoat is available in a wide range of solid, metallic, pearl, OEM and custom colors. DUHS Basecoat metallics exhibit exceptional pattern control without additional cross-coating. The product is easily blended to produce invisible repairs. DUHS Basecoat is produced using high strength DMHS universal mixing toners and DHSX589 basecoat converter.

Features	Advantages	Benefits
<ul style="list-style-type: none"> • Fast dry-to-clear time • Easy to blend • Excellent film properties 	<ul style="list-style-type: none"> • Less waiting • Invisible repair • Withstands severe environments 	<ul style="list-style-type: none"> • Better shop productivity • Customer satisfaction • Longer repaint cycles

Compatible Surfaces

Delta® DUHS Basecoat may be applied over:

- | | |
|--|--|
| • DX1793 Chrome Free Self Etching Primer | • DPU166 High Solids Chromate Primer 2.8 VOC Max |
| • DPHS52 Low VOC Primer | • OEM Enamels |
| • DPU174 High Solids Polyurethane Primer | • Cured Air Dry Finishes |

If sanding prior to the application of DUHS Basecoat, use 240-600 grit wet or dry.

	Hardener
Urethane Hardener	DDH526
	Required Additive
Basecoat Converter	DHSX589



APPLICATION GUIDE

DUHS Basecoat

Mixing Ratio:



DUHS : DHSX589* : DDH526
 2 parts : 1 part : 1 part

***1 part of DHSX589 is the maximum amount of converter to be added to DUHS. 1/4 part of DHSX589 is the minimum amount of converter to be added to DUHS. Increasing the level of DHSX589 speeds dry time, but will shorten pot life, particularly in warm and humid conditions.**

Pot life:



2 hours @ 70°F and 50% RH
 (High heat and humidity will shorten pot life)

Additives:



Accelerator: No Recommendation
 Extender: No Recommendation
 Fisheye: No Recommendation
 Flex: No Recommendation
 Flattening: No Recommendation

Spraygun 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:

	<u>Wet</u>	<u>Dry</u>
Minimum	1.5 mils	.8 mils
Maximum	2.0 mils	1.0 mils

Flash Time at 70°F:



Between coats 5 -10 minutes

Drying times:

DUHS : DHSX589 : DDH526

2 parts : 1 part : 1 part

Air Dry @ 70°F

Dust 5-10 minutes

Tack 20-25 minutes

Tape 1 hour

Recoat time:10-15 minutes minimum and up to 72 hours maximum at 70°F.
After 72 hours, sanding is required.**Repair time:**

10-15 minutes minimum dry time at 70°F.

Dry time to Clearcoat:10-15 minutes minimum and up to 72 hours maximum at 70°F.
After 72 hours, the DUHS Basecoat color must be sanded and additional color applied before clearcoating.**Test Properties/Test Data:**

Pencil Hardness* HB

Film properties, including pencil hardness are given where ultimate air cure is reached, usually 7 days.*RTS Combinations:**

	DUHS color (package)	DUHS : DHSX589 : DDH526	DUHS : DHSX589 : DDH526
Volume Ratio:	N/A	2 : 1/4 : 1	2 : 1 : 1
Applicable Use Category	Color Coating	Color Coating	Color Coating
VOC Actual	283 - 368 (g/L) 2.36 - 3.07 (lbs/gal)	345 - 398 (g/L) 2.88 - 3.32 (lbs/gal)	376 - 418 (g/L) 3.14 - 3.50 (lbs/gal)
VOC Regulatory (less water less exempt)	283 - 368 (g/L) 2.36 - 3.07 (lbs/gal)	345 - 398 (g/L) 2.88 - 3.32 (lbs/gal)	376 - 418 (g/L) 3.14 - 3.50 (lbs/gal)
Density)	1108 - 1329 (g/L) 9.25 - 11.09 (lbs/gal)	1055 - 1190 8.80 - 9.93 (lbs/gal)	1025 - 1135 (g/L) 8.55 - 9.47 (lbs/gal)
Volatiles wt. %	25.5 - 27.7	32.7 - 33.4	36.7 - 36.9
Water wt. %	0.0	0.0	0.0
Exempt wt. %	0.0	0.0	0.1
Water vol. %	0.0	0.0	0.0
Exempt vol. %	0.0	0.0	0.1
Solids vol. %	65.3 - 73.3	51.9 - 58.1	49.7 - 54.7
Sq Ft. Coverage / U.S.gal. 1 mil. @ 100% transfer efficiency	N/A	832 - 932	797 - 877

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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