

DELTA® Urethane Clear

DCU2070

DCU2070 Urethane Clear is a premium-quality urethane clear designed for use over Delta® topcoat systems. This product offers gloss and durability features that meet demanding fleet requirements. A selection of hardeners, accelerator, and reducer options make DCU2070 suitable for spot, panel and overall use. Delta® Urethane Clear applies easily and dries quickly, making it an ideal choice in high productivity fleet repair centers.

Features	Advantages	Benefits
• Excellent gloss and leveling	• Better appearance	• Increased customer satisfaction
• Easy to apply	• Less labor time	• Better productivity
• Excellent durability	• Longer lasting finish	• Longer repaint cycles
• Panel or overall use	• Fewer products needed	• Lower inventory cost

Compatible Surfaces

Delta® DCU 2070 may be applied over:

- Delta® 2800 DHS 2.8 VOC Polyurethane*
- Delta® 3500 DUHS 3.5 VOC Polyurethane
- Delta® DGHS Chemical Resistant Polyurethane 3.5 VOC
- Delta® DGHS Chemical Resistant Polyurethane 4.4 VOC
- Delta® DUHS Basecoat
- Delta® DFHS High Solids Urethane
- Delta® DVHS Fast Dry 2.8 VOC Polyurethane
- Delta® DSS Medium Solids Polyurethane

*VOC of combined colorcoat/clearcoat system may not meet VOC regulations in all areas. Consult local regulations.

DRS Reducers	
Reducer - Fast (60-70°F)	DRS1460
Reducer - Medium (65-80°F)	DRS1470
Reducer - Slow (75-90°F)	DRS1485
Reducer - Hot Temperature (85°F and above)	DRS1495
Retarder/Reducer	DRS1498
Hardener	
Urethane Clear Hardener	DCX2071
High Performance Hardener	DCX2072
Required Additive Options	
Accelerator	DX39
Extender	DX53



Mixing Ratio:

DCU2070 : DRS Reducers : *DCX2071/ + DX39/DX53
*DCX2072

4 parts : 1 part : 2 parts + 4 oz. per RTS gal.

Extreme high temperatures may require use of DX53 instead of DX39 to prevent solvent popping.

***Hardener Selection**

DCX2071 Use when finish will be buffed.

DCX2072 Use when increased chemical and abrasion resistance is required.

Pot life:

1½ 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 - 1.5 mm for Conventional Feed/HVLP

Air Pressure

HVLP at air cap 10 PSI

Conventional at spray gun 55-60 PSI

Consult the Fleet Training Manual Spray Equipment Section for gun set-up requirements.

Minimum number of coats:

2 coats

Total film build per coat:

	<u>Wet</u>	<u>Dry</u>
Minimum	1.9 mils	1.0 mils
Maximum	2.5 mils	1.3 mils

Flash Time at 70°F:

Between coats	10-15 minutes
Before force drying	0-5 minutes

Drying times:**With DCX2071****Air Dry @ 70°F
with DX39**

Dust 45 minutes

Tack 1 hour

Tape 3 hours

**Air Dry @ 70°F
with DX53**

Dust 45 minutes

Tack 1-2 hour

Tape 4-5 hours

With DCX2072**Air Dry @ 70°F
with DX39**

Dust 30-40 minutes

Tack 45 minutes

Tape 1-2 hours

**Air Dry @ 70°F
with DX53**

Dust 45 minutes

Tack 1 hour

Tape 2 hours

Pot life:

1-1½ hours

3-4 hours

Force Dry
with DX39/DX53**

Flash 10 minutes

30 minutes @ 140°F

10 minutes @ 180°F

*** 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:

4 hours @ 70°F Air Dry
After 16 hours @ 70°F sanding is required.

Repair time:

6 hours @ 70°F Air Dry
4 hours after force drying.

Polish:

4-6 hours @ 70°F. Use DCX2071 when polishing is required.
Polish within 24 hours.

TEST PROPERTIES

	DCX2071	DCX2072
VOC Packaged	3.3 lbs. per U.S. gal.	3.3 lbs. per U.S. gal.
VOC RTS Applied	3.5 lbs. per U.S. gal.	3.5 lbs. per U.S. gal.
Volume Solids (RTS)	51.5%	50.5%
Square Foot Coverage (RTS US Gallon 100% Transfer Efficiency)	826 sq. ft.	811 sq. ft.
Gloss (20 degree)	85%	85%
Gloss Retention (1000 hrs. QUV)	100%	100%
Pencil Hardness*	(2B-B)	(2B-B)

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



INSTRUCTIONS FOR USE

How to Mix:



Mix DCU2070

DCU2070 : DRS Reducer : DCX2071/DCX2072 + DX39/DX53

4 : 1 : 2 + 4 oz./RTS gal.

Pot life: 3-4 hours at 70°F with DX53
1-1½ hours at 70°F with DX39

Air Pressure:



HVLP: 10 PSI at the air cap

Conventional: 55-60 PSI at the gun

Fluid tip: 1.0 -1.4 mm for Pressure Feed/HVLP
1.3 -1.5 mm for Conventional Feed/HVLP

Application:



Apply: 2 coats

Dry Time:



Between coats: 10-15 minutes

With DCX2071 **Air Dry @ 70°F
with DX39**

Dust 45 minutes
Tack 1 hour
Tape 3 hours

**Air Dry @ 70°F
with DX53**

Dust 45 minutes
Tack 1-2 hours
Tape 4-5 hours

With DCX2072 **Air Dry @ 70°F
with DX39**

Dust 30-40 minutes
Tack 45 minutes
Tape 1-2 hours

**Air Dry @ 70°F
with DX53**

Dust 45 minutes
Tack 1 hour
Tape 2 hours

**Force Dry
with DX39/DX53**

Flash 10 minutes
30 minutes @ 140°F
10 minutes @ 180°F

PRODUCTS NEEDED FOR JOB

For additional information,
refer back to the complete FL600

HEALTH AND SAFETY

See Material Safety Data Sheet and Labels for additional safety information and handling instructions.

Emergency Medical or Spill Control Information (304) 843-1300; 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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