

Concept® High Solids Polyurethane Clear**DCU2002**

CONCEPT® DCU2002 delivers a premium-quality, high gloss, 4.2 VOC compliant finish when applied over *DELTRON®* (DBU) Basecoat or *DELTRON®* 2000 (DBC) Basecoat.

DCU2002 is designed for either air dry or force dry spray booth applications.

Features

- Premium force dry clear
- High solids
- Easy application

Advantages

- Excellent gloss
- Two coat clear
- Excellent flow characteristics

Benefits

- Customer satisfaction
- Increased productivity
- Matches OEM finishes

Compatible Surfaces**DCU2002 may be applied over:**

- *DELTRON®* (DBU) Universal Basecoat
- *DELTRON®* 2000 (DBC) Basecoat
- *CONCEPT®* (DCC) Acrylic Urethane

Required Products

| | DT Reducers |
|----------------------------------|--------------------|
| Cool Temperature (60 – 70°F) | DT860 |
| Medium Temperature (65 – 80°F) | DT870 |
| Warm Temperature (75 – 90°F) | DT885 |
| Hot Temperature (85°F and above) | DT895 |
| Hot Temperature (95°F and above) | DT898 |
| | Hardeners |
| Medium Temperature | DCX8 |
| Hot Temperature / Force Dry | DCX9 |
| General Purpose | DCX61 |
| <i>SUPERCHARGER™</i> | DFX11 |

DCU2002

Directions for Use

Preparation:

Where VOC limits allow a maximum of 5.0 #/US Gal. for multi-stage systems, reduce DBU Color 150% with DRR Reducer or DBC Color 100% with DT Reducer. Refer to the Product Information Bulletin of the color system for its application and dry times.

Mix Ratios:



DCU2002 : DT REDUCER : DCX HARDENER

4 : 1 : 1

Pot Life of mixture is 4 hours at 70°F (21°C).



DCU2002 : DT REDUCER : DFX11

5 : 1 : 5

Pot Life of mixture is 3 hours at 70°F (21°C).

Spraygun Set-up:



Apply: 2 wet coats

Fluid Tip: 1.3 – 1.5 mm or equivalent

Air pressure 8 – 10 PSI at the cap HVLV guns
45 – 50 PSI for conventional guns

Dry Times:



Flash Time 10 – 15 min. with DCX hardeners
5 – 10 minutes with DFX11



| Dry Times 70°F (21°C). | <u>DCX8</u> | <u>DCX9</u> | <u>DCX61</u> | <u>DFX11</u> |
|------------------------|--------------|----------------|----------------|----------------|
| Dust Free: | 80 – 90 min. | 100 min. | 70 min. | 15 – 20 min. |
| Tack Free: | 3 – 4 hrs. | 3 1/2 – 4 hrs. | 2 3/4 – 3 hrs. | 1 – 1 1/4 hrs. |
| Tape Time: | 5 – 6 hrs. | 6 hrs. | 6 hrs. | 12 hrs. |

Air Dry 16 hr. 70°F (21°C)



Force Dry:

Purge 0 – 5 min.

Bake DCX hardeners 30 min. at 140°F (60°C)
DFX11 15 – 30 min. at 120 – 140°F (49°C – 60°C)

Polishing:



Air Dry DCX hardener – 16 hr. at 70°F (21°C).
DFX11 – 12 hr. at 70°F (21°C)

Force Dry DCX hardener – cool down + 4 – 8 hrs.
DFX11 – cool down + 4v6 hrs.

Repair and Recoat:



DCX – force dry/cool cycle or 16 hrs. air dry 70°F (21°C)

DFX11 – force dry/cool cycle or 5 hrs. air dry 70°F (21°C)

After 3 days, DCU2002 must be sanded before recoating with primer, color or clear.

Directions for Use

Painting Flexible Parts:



Full panel only when part is off the vehicle. It is not necessary to add DX814 when the part is mounted on the vehicle.

DCU2002 : DT REDUCER : DCX HARDENER : DX814
4 : 1 : 2 : 2

Pot life of flexibilized DCU2002 is 1 – 2 hours at 70°F (21°C).

DCU2002/DT/DCX9 (4:1:1) may be used on flexible parts without DX814.

DCU2002/DFX11 is not recommended over flexible parts.

Tinting and Additives:

DCU2002 cannot be tinted.

DX73 Fisheye Preventer may be added 1/2 oz. Per RTS QT.

DX84 Enhancer or DX87 Extender may be added 1/2 oz. per RTS QT when using DCX hardeners.

DO NOT USE DX84 OR DX87 when using DFX11.

DXR81 Accelerator may be added 1/2 oz. per RTS QT when using DFX11 hardener.

Technical Data:

| | | | | |
|--|-------------|-------------|--------------|--------------|
| DCU2002 (Pkg) #/US Gal. | | | | |
| VOC | 4.0 | | | |
| DCU2002 (RTS) #/US Gal. | | | | |
| Ready-to-Spray | DCX8 | DCX9 | DCX61 | DFX11 |
| VOC | 4.1 | 4.1 | 4.1 | 4.2 |
| Total % Solids by Volume (RTS) | 41.5% | 41.5% | 42.0% | 39.9% |
| Sq. Ft. Coverage/US Gal. (1 mil 100% transfer efficiency) | 666 | 666 | 675 | 640 |
| Film build (wet mils per coat) | 1.2 – 1.4 | 1.2 – 1.4 | 1.2 – 1.4 | 1.1 – 1.3 |
| Recommended dry film mils | 2.0 – 2.5 | 2.0 – 2.5 | 2.0 – 2.5 | 2.0 – 2.5 |

Important:

The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels of all components, since the mixture will have the hazards of all its parts. Improper spray technique may result in a hazardous condition. Follow spray equipment manufacturer's instructions to prevent personal injury or fire. Follow directions for respirator use. Wear eye and skin protection. Observe all applicable precautions.

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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PPG Industries
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
1-888-310-4762