

COLOR BLENDER

DBU/DBC500

DBU500 and DBC500 Color Blenders are intended for use as a tool to blend factory pack and intermix DBU and DBC Basecoat colors, tri-coat pearls, and light or hard to control metallics. DBU500 and DBC500 may also be used as a fast drying cut-in clear for DBU and DBC colors in areas that are not exposed to direct sunlight.

The Color Blenders are not intended for use as a durable topcoat clear and must be clearcoated for exterior use. DBU500 should only be used with DBU colors; DBC500 should only be used with DBC colors.



Features

- Color blender
- Cut-in Clear

Advantages

- Fast dry
- Increased productivity

Benefits

- Multiple uses
- Easier blending
- Compatible with Vibrance Product Line

Compatible Surfaces

DBU500 may be applied over:

- DELTRON® (DBU) Universal Basecoat or any compatible surface from P-152.

DBC500 may be applied over:

- DELTRON® 2000 (DBC) Basecoat or any compatible surface from P-175.

Required Products

| | DRR Reactive Reducers (DBU) |
|--|------------------------------------|
| Cold Temperature (45 – 55°F) | DRR1150 |
| Cool Temperature (55 – 65°F) | DRR1160 |
| Medium Temperature (65 – 75°F) | DRR1170 |
| Warm Temperature (75 – 90°F and above) | DRR1185 |
| Hot Temperature (90°F and above) | DRR1195 |
| | DT Reducers (DBC) |
| 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 |



DBU/DBC500

Directions for Use

Preparation:



Old cured finishes must be thoroughly cleaned and sanded in areas where DBU500 or DBC500 will be applied.



See DBU and DBC Product Information Bulletins P-152 or P-175 respectively for details of surface preparation, color mixing, application and dry times.

Mixing Ratios:

Note: Reduce the DBU500 or DBC500 with the same reducer that was used in the DBU or DBC color. Do not use DBC500 with DBU Colors. Do not use DBU500 with DBC colors.

For all uses



DBU500 : **DRR Reducer**
1 : 1¹/₂



DBC500 : **DT Reducer**
1 : 1

Note: See Additives Section for use of DX57 with DBC500

For use as a color blender



Reduced DBU/DBC500 : **Reduced DBU/DBC Color**
1 : 1



Pot Life of DBU/DRR is 4 hours at 70°F (21°C).

DBC/DT without DX57 has no pot life (mix well before use).

Additives:



DX57 in DBC500: If any layer of a DBC basecoat job will be catalyzed with **DX57 Basecoat Activator**, all layers, above or below (including DBC500), should also be catalyzed with 5% DX57 (1.6 oz. per RTS qt). **Do not use DX57 with DBU500**

Pot life of DBC500/DX57 is 2 hours at 70°F (21°C).

Application Coats:



As a color blender



- Apply 1 – 2 light to medium coats of the 500/color blender mixture onto the blend area, extending each coat a little further each time.
- Allow 5 – 10 minutes dry time between coats.
- If desired, more of the reduced DBU or DBC500 may be added to the color mixture to further reduce the hiding for each blend step-out.
- Allow 15 – 20 minutes dry time at 70°F (21°C) before clearcoating with appropriate PPG Clears.

Caution: In all cases avoid high film builds of basecoats including DBC/DBU500

When using as a “Lock Down” Clear:

- Spray 1 light to medium coat of reduced DBU500 or DBC500 with no color added (before or after DBU or DBC color application), to lock down the metallic or pearl color prior to clearcoat application. Allow 5 – 10 minutes between coats.
- Allow 15 – 20 minutes dry time at 70°F (21°C) before clearcoating with appropriate PPG Clears.

Directions for Use

Application Coats *continued*

When using as a Fast Cut-in Clear:

- Let the DBU or DBC color dry 10 – 20 minutes then apply 2 – 3 coats of reduced DBU500 or DBC500.
- Allow 5 – 10 minutes dry time between coats.
- Do not use as a Fast Cut-in Clear in areas that will be exposed to direct sunlight.
- **Optional:** 5% DX57 per RTS qt. can be added to DBC500 cut-in clear for improved resistance to underhood fluids .

Air Pressure:

| | DBU/DBC500 |
|--|-------------|
| HVLP at the air cap | 6 – 10 psi |
| Conventional at the gun | 25 – 45 psi |
| <i>Lower pressures are sometimes used for blending</i> | |

Spraygun Set-up:



| | DBU/DBC500 |
|----------------------------|----------------|
| Fluid Tip: | 1.3 – 1.5 mm |
| Film Build Per Wet Coat: | 1.0 – 2.0 mils |
| Dried Film Build Per Coat: | 0.3 – 0.5 mils |

Compatible Topcoats:

DBU500 may be clearcoated with any compliant clear recommended over DBU (see P-152).

DBC500 may be clearcoated with any compliant clear recommended over DBC (see P-175).

Note: *DBU500 and DBC500 are not intended as durable topcoat clears, they must be clearcoated for exterior use. If allowed to dry more than 24 hours, DBU500 and DBC500 must be scuffed and reapplied before clearcoating.*

Equipment Cleaning:

Spray guns, gun cups, storage pots, etc., should be cleaned thoroughly after each use with any appropriate PPG general purpose solvent.

Technical Data:

| | DBU500 | DBC500 | DBC500 w/DX57 |
|---|---|--|--|
| VOC less exempt solvents (Package) | 4.96 lbs/US Gal. (594 g/l) | 5.72 lbs/US Gal. (685 g/l) | 5.72 lbs/US Gal. (685 g/l) |
| VOC less exempt solvents (RTS w/reducer – No color added) | 6.33 lbs/US Gal. (759 g/l) | 6.38 lbs/US Gal. (765 g/l) | 6.15 lbs/US Gal. (737 g/l) |
| VOC less exempt solvents (RTS DBU500 or DBC500 type blended with RTS color) | 5.8 lbs/US Gal. (695 g/l) to 6.43 lbs/US Gal. (770 g/l) | 6.09 lbs/US Gal. (730 g/l) to 6.49 lbs/US Gal. (778 g/l) | 5.93 lbs/US Gal. (710 g/l) to 6.26 lbs/US Gal. (750 g/l) |
| Total Solids by Volume (Applied) | 14.1 % | 10.8 % | 13.9% |
| Sq. Ft Coverage / US Gal. (Applied) | 227 sq. ft. | 173 sq. ft. | 223 sq. ft. |

DBU/DBC500

Color Blender

Important:

The contents of this package must 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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