

Color Blender

P-176

DBC500

DELTRON® NXT™ DBC500 Color Blender is intended for use as a tool to blend and intermix NXT & DBC basecoat colors, tri-coat pearls, and metallics.

DBC500 may also be used as a fast-drying, cut-in clear for NXT & DBC color in areas that are not exposed to direct sunlight.

This Color Blender is not intended for use as a durable topcoat clear and must be clearcoated for exterior use. DBC500 should only be used with NXT & DBC colors.



Features & Benefits

- ☐ Wet Bed Application
- ☐ Color Blender
- ☐ Cut-in Clear
- ☐ Fast Dry

Required Products

Reducers

DT1565	Fast Thinner 55-65° (13-18°C)
DT1575	Medium Thinner 65-77°F (18-25°C)
DT1585	Slow Thinner 77-90°F (25-32°C)
DT1595	Very Slow Thinner 95+°F (35+°C)
DT1598	Ultra Slow Thinner 98+°F (36.7+°C)

Compatible Surfaces

DBC500 may be applied over:

Deltron (DBC) Basecoat, *Deltron* NXT Basecoat, or any compatible surface from P-Sheets P-175 and P-251.

Surface Preparation:



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



- ☐ See P-Sheets P-175 and P-251 for details of surface preparation, color mixing, application and dry times.

Mix Ratio & Pot Life:



Note: Reduce the DBC500 with the same reducer that was used in the NXT/DBC color

$$\frac{\text{DBC500}}{1} : \frac{\text{DT Reducer}}{1}$$

Note: See Additives section for use of DX57 with DBC500

For use as a color blender:



$$\frac{\text{Reduced DBC500}}{1} : \frac{\text{Reduced NXT/DBC}}{1}$$



Pot Life: No pot life for NXT/DBC : DT mixture without DX57

Additives:



DX57 Basecoat Activator: 5% to RTS DBC500

If any layer of a NXT/DBC basecoat job will be catalyzed with DX57 Basecoat Activator, all layers, above or below (including DBC500), should also be catalyzed with 5% DX57.

Optional: DX57 can be added to DBC500 cut-in-clear for improved resistance to underhood fluids or in areas not exposed to sunlight.

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

Air Pressure & Spray Gun Setup:



HVLP: 8-10 psi at the air cap
Compliant: 29-40 psi at the gun
Gun 1.3-1.6 mm or equivalent

Lower pressures are sometimes used for blending.

Note: For best overall results, refer to spray gun manufacturer's recommendations for inlet air pressures.

Refer to Document DOX44NXT for optimized gun setting for the most popular spray guns in the field.

Application:



As a Wet Bed: 1-2 light to medium coats, applied edge to edge over entire repair area. Allow to flash 5-10 minutes, apply basecoat directly over the wet bed and blend as necessary.

As a Color Blender: $\frac{\text{Reduced DBC500}}{1} : \frac{\text{Reduced NXT/DBC}}{1}$

1-2 light to medium coats.

Extend each coat a little further than the previous coat. If desired, more of the reduced DBC500 may be added to the color mixture to further reduce the hiding for each blend step out

As a Lock Down Clear: 1 light to medium coat with no color added to lock down the metallic or pearl color prior to clearcoat application.

As a Fast Cut-in-Clear: Let the NXT/DBC color dry 10-20 minutes then apply 2-3 coats of reduced DBC500.

DO NOT use as a Fast Cut-in Clear in areas that will be exposed to direct sunlight.

Dried film build per coat: 0.3-0.5 mils

Drying Times:



Between Coats:

As a Color Blender: 5-10 minutes at 70°F (21°C)
As a Lock Down Clear: 5-10 minutes at 70°F (21°C)
As a Fast Cut-in-Clear: 5-10 minutes at 70°F (21°C)

Dry to Topcoat:

As a Color Blender: 15-20 minutes at 70°F (21°C)
As a Lock Down Clear: 15-20 minutes at 70°F (21°C)

Caution: In all cases avoid high film builds of basecoats including DBC500

Compatible Topcoats:

DBC500 may be clearcoated with any clear recommended over DBC or NXT (see P-175 and P-251).

Note: DBC500 is not intended as a durable topcoat clear. It must be clearcoated for exterior use. If allowed to dry more than 24 hours, DBC500 must be scuffed and reapplied before clearcoating.

Equipment Cleaning:

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

Technical Data:

	DBC500	DBC500 w/DX57
VOC less exempt solvents (package)	5.72 lbs./US Gal (685 g/L)	5.52 lbs./US Gal (685 g/L)
VOC less exempt solvents (RTS w/ reducer—no color added)	6.37 lbs./US Gal (763 g/L)	6.14 lbs./US Gal (736 g/L)
VOC less exempt solvents (DBC500 blended with RTS color)	6.32-6.37 lbs./US Gal (757-763 g/L)	6.09-6.14 lbs./US Gal (730-736 g/L)
Total solids by Volume	21.6%	24.1%
Total Solids by Weight	26.2%	29.2%
Sq. Ft. Coverage / US gal (applied)	433.08	483.21

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

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.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION (412) 434-4515; IN CANADA (514) 645-1320

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