

DC 1100

IDENTITY

CODE

NCT Clearcoat	DC 1100	
NCT Activator	DC 1260	(spot/panel: below 75°F/24°C)
	DC 1275	(spot panel: 75 - 90°F/24 - 32°C) (overalls: 60 - 75°F/15- 24°C)
	DC 1290	(spot/panel: above 90°F/32°C) (overalls: above 75°F/24°C)
NCT Flexibilizer	DC 950	

BACKGROUND

NCT (DC 1100) is designed for use over DELTRON® (DBU) Universal Basecoat Color. DC 1100 when combined with the appropriate DC 1200 Series Activators provides an extremely fast drying, durable clearcoat that matches the basecoat/clearcoat finish of all late model cars.

DIRECTIONS FOR USE

Preparation:

- Mix DELTRON (DBU) Universal Basecoat Color with DRR Reactive Reducer as directed on the DBU label. Pot life of this mixture is 4 hours (refer to P-Bulletin P-152 for further instructions).
- Apply color coats as directed on the label allowing adequate dry time between coats.
- Allow the last color coat of DELTRON Basecoat to dry a minimum of 20 minutes but no longer than 24 hours at normal temperature (70°F/21°C) before clearcoating.

Mixing:

Mix DC 1100 with the appropriate DC 1200 Series activator best suited for the shop conditions and task at hand:

<u>DC 1100 Clear</u>		<u>DC Activator</u>
1 part		1 part
or	to	or
1 quart		1 quart

Note: Using more or less than the recommended amount of activator will negatively affect the performance of the system. If more reduction is desired, add up to 25% DT 895 Reducer.

Application and Dry Times:

- Adjust air pressure to 35 - 40 PSI at the gun.
- Apply 3-4 wet coats. Dry film build per coat 1.0 mil.
- Allow 5 to 10 minutes between coats.
- Allow final coat of DC 1100 to dry overnight (16 hours) at 70°F (21 °C) or force dry by purging the booth for 15 minutes at 70°F (21 °C) and then bake 40 minutes at 140°F (60°C) or 60 minutes at 120°F (49°C).

Blending:

Dry edges of DC 1100 can be melted in immediately with a second gun containing DX 830 Universal Blender or DT 895 Reducer.

Polishing:

Allow a minimum of 16 hours air dry, but preferably 24 hours air dry at 60°F (16°C) or higher before polishing. Use only fine polishing compounds. If force drying, allow the surface to cool completely before polishing.

Recoating/Repairing:

DC 1100 may be repaired or recoated after 24 hours air dry at normal temperature (70°F/21 °C) or after force drying and allowing the surface to cool.

Painting of Flexible Parts:

DC 1100 with DC 950 NCT Flexibilizer can be used over DELTRON (DBU) Universal Basecoat on properly prepared flexible substrates. Refer to DC 950 Flexibilizer Product Information Bulletin P-161.

<u>DC 1100</u>		<u>DC Activator</u>		<u>DC 950</u>
4 parts		4 parts		1 part
or	to	or	to	or
4 quarts		4 quarts		1 quart

Note: Sprayable pot life of the flexibilized DC 1100 mixture is 4 hours @ 70°F (21 °C). NCT Clear with flexibilizer will dry slower than NCT without flexibilizer. Do not add more than the recommended amount of DC 950. This will cause soft and extremely slow drying.

Additives: (Fisheye Eliminators)

Silicone additives should never be used unless absolutely necessary. Appearance and flowout of the clear is decreased in direct relation to the amount used. When necessary, DX 77 Fisheye Preventer can be used in a ratio of one to two capfuls per quart of ready to spray DC 1100 or DX 817 Fisheye Preventor @ ½ ounce per sprayable quart.

Equipment Cleaning:

Spray guns, gun caps, storage pots, etc. should be cleaned thoroughly after each use with (#)DX 590 All Purpose Clean-up Solvent, DT Reducers or DTL Lacquer Thinners.

(#) Not currently available in Canada

TEST PROPERTIES

Application Viscosity (#2 Zahn Cup)	16 seconds
Flash Point (DC 1100 only) PMCC	68°F (20°C)
VOC (DC 1100 only)	4.79 lbs/U.S. gal
VOC (a)	5.52 lbs/U.S. gal
Volume Solids (a)	26%
Weight Solids (a)	31%
Weight Solids (DC 1100 only)	39%
Sq Ft Coverage/U.S. Gal (100% transfer efficiency)	417 sq ft @ 1 mil
Gloss (20 degree)	90
Dust Free Time	10 minutes
Tack Free Time	45 - 60 minutes
Tape Time	24 hours
*Chip Resistance	Good
*Pencil Hardness	3B
*Humidity Resistance (100°F/38°C, 100% RH)	Excellent @ 100 hrs
*Gasoline Resistance	Very Good
*Solvent Resistance	Very Good

(a) Ready to Spray with DC 1290

***Resistance Testing:**

Steel panel used for these evaluations were primed with Original Equipment UNI-PRIME® and topcoated with DELTRON (DBU) Universal Basecoat Color prior to DC 1100 Clear. All resistance results were obtained after NCT (DC 1100) Clear had been forced dried for 40 minutes at 140°F (60°C) and then allowed to dry approximately 72 hours at normal temperatures (70°F/21°C).

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 (304) 843-1300.
IN CANADA (514) 645-1320

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