



PROCLEAR HS SPEED CLEARCOAT - TECH SHEET

C300

ProClear C300 HS Speed ClearCoat is a High Gloss, Fast Drying ClearCoat. ProClear C300 is a very user friendly clearcoat under various shop conditions making it a great value for Collision Repair Centers. ProClear C300 HS Speed ClearCoat is ideal for spot and single panel refinish jobs.



UNLEASHED

Features and Benefits

- High Solids
- Versatile choice of 4 hardeners
- Air dry or bake
- Fits most shop conditions

Reducer

Not Recommended

Compatible Substrates

Apply Basecoat as per manufacture's mixing and application instructions. Allow sufficient flash times before applying C30 ClearCoat. Inadequate flash time will affect the performance of the clear.

Hardeners

- Unleashed H55 Medium
- Unleashed H56 Slow
- Unleashed H58 Very Slow

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Preperations



1. Allow final coat of basecoat to dry to touch prior to application of C300
2. Use a tack cloth to remove any surface cotaminates that may have settled on basecoat.
3. Mix C300 and apply.

Mix Ratios



Standard Mix

C300	:	H Hardeners
4	:	1



Pot Life 4 : 1 2 - 3 hours at 70°F (21°C)

Note : UN - H54 Fast Hardener is not recommended

Additives



Fisheye Eliminators are not recommended, however, when used as suggested, it may help minimize the surface reaction to contamination. The use of this additive is not a substitute for proper cleaning and preparation.



Universal Retarder will slow the initial flash dry allowing slightly more time for the overspray to melt back into the surface when applying in high temperatures, high humidity or large surface areas.



Flex additive can be used to increase flexibility of C300 . This can be helpful during installation and the life of a flexible part.



Accelerator may be helpful to assure proper curing in cold conditions. Excessive film build, loss of gloss, incomplete curing & shrinkage may be the end result when not properly utilized.



Flattenning Base can be used to adjust the gloss level of C300 . For desired gloss levels, it is recommended to do a sprayout to make final determination.

Air Pressure & Gun Setup



HVLP	8-15 psi at the air cap
Compliant	29-45 psi at the gun
Gun Setup	1.3-1.4 mm or equivalent
Approx. Distance	5" - 7"
Inlet PSI	16 - 22 psi

Application



Apply	2 -3 single coats
Total Recommended Dry Film :	2.0 - 2.5 mils

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Dry Times



Between Coats

1ST Coat 5 - 10 Minutes
2ND Coat 10 - 15 Minutes



Dry times at 70°C (21°C)

Out of Booth : 15 - 30 Minutes depending on Temperature
Deliver / Polishing : 2 Plus Hours depending on Temperature.



Force Dry at 140°F (60°C)

Purge Time	15 Minutes
Bake Time	30 Minutes
Deliver / Polishing	After 1 hour coll down.



Polishing

Air Dry : 2 plus hours at 70°F (21°C)

Force Dy : After 1 hour cool down.



Recoat and Repair

Recoat : Recoat after force dry and cool down or 12 - 24 hours at 70°F (21°C)
C300 must be sanded before recoating with primer, color or clear

Repair : Repair when force dried after 1 hour cool down.

Note: All force dry times are quoted for metal temperature. Add itional time must be allowed during force dry to allow metal to reach recommended temperature.



Equipment Cleaning

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

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Technical Information:

Clear:	C300
Hardeners:	H55, H56 and H58
Mixing Ratio:	4:1
Viscosity # 2 Zahn (RTS)	18 - 21 Seconds
Weight Solids (RTS):	39 %
Volume Solids (RTS):	32 %
Film Build:	0.9 - 1.1 mils per full coat
Coverage:	504 sq. ft. per gallon @ 1 dry mil

V.O.C. as Delivered:	Regulatory V.O.C. lbs/gal	Regulatory V.O.C. g/l	Material V.O.C. lbs/gal	Material V.O.C. g/l
C300	4.3	520.3	3.1	372
V.O.C. (RTS):				
C24 with H55	4.2	508.2	3.2	387.2
C24 with H56	4.2	508.2	3.2	387.2
C24 with H58	4.2	508.2	3.2	387.2

see SDS for this product

Disposal/Safety:

FOR INDUSTRY USE ONLY

Read SDS Before Use

The contents of the package must be blended with other components before the product can be used. Any mixture of components will have hazards of all components. Before opening the packages, read all warning labels. Follow all precautions.

The material is designed for application only by professionally trained personnel using proper equipment under controlled conditions, and is not intended for sale to the general public.

SEE SDS AND PRODUCT LABELS FOR ADDITIONAL SAFETY INFORMATION.