

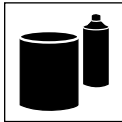


# Hot Clear Matte Clear HHC-5300™

## Description

Hot Clear Matte Clear is a two-component matted clearcoat designed for custom painting to achieve various gloss levels. HHC-5300™ maintains a mix ratio of 4:1 (4 parts HHC-5300™, and 1 part HHA-5305™ Activator) by volume, and has been specifically formulated for custom application. Hot Clear Matte Clear is designed to achieve the required build and appearance in two coats, and is formulated to operate in crossflow and downdraft booth conditions; in addition HHC-5300™ formulation provides a fast cure rate under normal bake (30 min. x 140°F) processing conditions.

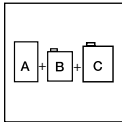
This product is categorized as a “Specialty Coating” in VOC-Regulated Areas under elastomeric coating and anti-glare safety coating designations; HHC-5300™ contains an elastic or flexible component in the product formulation, which eliminates the need to add a Flex-Add additive to the matted clearcoat. Satin, egg-shell and flat gloss levels can be obtained by mixing varying levels of DuPont™ Plas-Stick® 2360S™ Flexible Matting Additive by volum.



## General Information

### Components

Hot Clear Matte Clear HHC-5300™  
Hot Clear Matte /clear Activator HHA-5305™



### Mix Ratio / Viscosity

Combine the components by volume or weight, then mix thoroughly.

### Weight (cum. quart) Gloss

	Semi-Gloss 50 - 60%		Eggshell 20 - 30%		Flat 0 - 5%	
	Volume	Weight	Volume	Weight	Volume	Weight
Hot Clear Matte Clear HHC-5300™	4	732.5	3	550.0	2	366.5
Plas-Stick® 2360S™	–	–	1	751.5	2	770.0
Hot Matte Clear Activator HHA-5305™	1	920.5	1	940.0	1	958.0

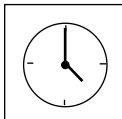
### Viscosity

15 - 17 seconds in a Zahn #2 (DuPont M-222) cup.

Note: May use Hot Hues Hot Reducer Fast HHR-7065™, Hot Reducer Medium HHR-7075™, or Hot Reducer Slow HHR-7085™ to reach recommended viscosity (ie 5%).

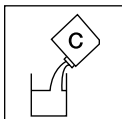
### Tips for Success

- Use a mixing stick for accurate measurements.
- Perform and spray a test panel to validate the desired gloss level.



### Pot Life

2 hours at 70°F.



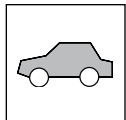
### Additives

Please see Mix Ratio section for additive recommendations. All other Additives will affect gloss and product performance adversely.



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## Hot Clear Matte Clear HHC-5300™

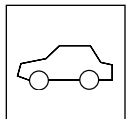


### Basecoats

Hot Hues™ Hot Colors Basecoats

Hot Rod Black HHM-6400™

Any DuPont Performance Coatings basecoats appropriate for your VOC regulated area.



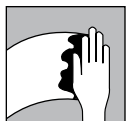
### Application

#### Substrates

Hot Colors Basecoats

Hot Rod Black HHM-6400™

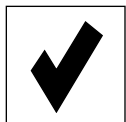
Any DuPont Performance Coatings basecoats appropriate for your VOC regulated area.



### Surface Preparation

For application over a properly prepared basecoat repair:

- Mask entire vehicle to prevent overspray from sticking.
- Allow basecoat to dry; follow appropriate application recommendations for specific topcoat or basecoat being used.
- Tack with appropriate basecoat tack cloth prior to applying clear.



### Gun Setups\*

#### Conventional

Siphon Feed: 1.5 mm - 1.7 mm (.059" - .067")

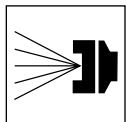
Gravity Feed: 1.4 mm - 1.6 mm (.055" - .063")

#### HVLP

Siphon Feed: 1.5 mm - 1.7 mm (.059" - .067")

Gravity Feed: 1.4 mm - 1.6 mm (.055" - .063")

\*These numbers refer to the actual tip size of the spray gun in millimeters. Some gun manufacturers represent tip sizes in other measurement units.



### Air Pressure\*

#### Conventional

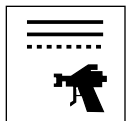
Siphon Feed: 40 - 45 psi @ the gun.

Gravity Feed: 35 - 45 psi @ the gun.

#### HVLP

8 - 10 psi @ the gun cap.

\*The listed setups cover the usual range for various application equipment.



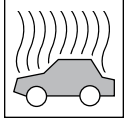
### Application

Apply 2 medium-wet coats with a 8 - 10 minute flash between coats.



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### Flash/Dry Times

#### Air Dry

Flash between Coats:	8 - 10 minutes.
Dust Free:	30 - 45 minutes.
Time to Handle (Assemble):	3 - 4 hours.
Time to Stripe:	3 - 4 hours.
Time to Deliver:	3 - 4 hours.
Time to Decal:	After 24 - 48 hours.

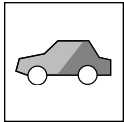
#### Force Dry

Flash before bake:	0 minutes.
Dry Cycle:	30 minutes @ 140° F.
Dust Free:	After cool down.
Time to Handle:	After cool down.
Time to Stripe:	After cool down.
Time to Deliver:	After cool down.
Time to Decal:	After 24 hours.

#### Normal Bake

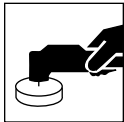
#### Infrared Dry

Not recommended. Clearcoat may solvent pop.



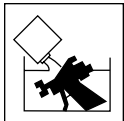
### Recoatability/Re-repair

Hot Clear Matte Clear HHC-5300™ may be recoated 4-5 hours @ 70°F air dry. If the clear is force dried, wait 1 hour, for cool down. If recoating after 24 hours, scuff sand with 1200 - 1500 grit.



### Polishing

**Not Recommended. Compounding and polishing will affect gloss level.**



### Cleanup

Clean spray equipment immediately with DuPont Lacquer Thinner.



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## Hot Clear Matte Clear HHC-5300™

### Physical Properties

VOC: 4.3 lbs/gal ready-to-spray.  
Theoretical Coverage: 557 sq. ft. per ready-to-spray gallon at 1 mil.  
Weight Solids: 43.2% ready-to-spray.  
Volume Solids: 34.7% ready-to-spray.  
Recommended Dry Film Thickness: 2.0 - 2.4 mils in 2 coats.  
Flash Point: See MSDS.

### VOC Regulated Areas

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing and usage recommendations in the VOC Compliant Products Chart for your area.

### Safety and Handling

WEAR A POSITIVE-PRESSURE, SUPPLIED-AIR RESPIRATOR (NIOSH APPROVED TC-19C), EYE PROTECTION, GLOVES AND PROTECTIVE CLOTHING WHILE MIXING ACTIVATOR WITH PAINT, DURING APPLICATION AND UNTIL ALL VAPORS AND SPRAY MIST ARE EXHAUSTED. Follow respirator manufacturer's directions for respirator use. INDIVIDUALS WITH HISTORY OF LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES SHOULD NOT USE OR BE EXPOSED TO VAPOR OR SPRAY MIST. Do not permit anyone without protection in the painting area.



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