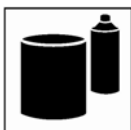


### Flattener

#### General Information for Use

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Gloss levels are dependent upon many variables—application method, reduction and solvents used, environmental conditions, etc. These recommendations are guidelines only, they may need to be adjusted for your specific conditions



#### Components

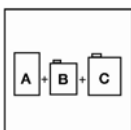
DuPont™18868S™Flattener---for DuPont™18321S™ Polyurethane Clearcoat  
DuPont™PT196™Flattener—for Imron®MS600™ Topcoats

*See the appropriate Product Data Sheets for product application and use.*

### DuPont™18868S™ Flattener

The particle size and concentration of DuPont™18868S™ Flattener are formulated for optimum use in DuPont™18321S™ Polyurethane Clearcoat.

The use of DuPont™18868S™ Flattener is not recommended for significant gloss reductions in Imron®MS600™ Topcoats. The amount of flattener required (1:2 topcoat to flattener for a starting concentration) is excessive.



#### Mix Ratio

Review the DuPont™18868S™ Polyurethane Clearcoat Product Data Sheet. For a satin gloss surface with DuPont™188321S™ Polyurethane Clearcoat, the following mix ratio is recommended for a starting concentration: Mix DuPont™18868S™ Flattener and DuPont™18321S™ Polyurethane Clearcoat 1:1 by volume until homogeneous. Activate the Flattener/Clearcoat mixture 4:1 with DuPont™18120S™/18122S™ Urethane Activator and mix well until uniform

For Example.

<i>Component</i>	<i>Parts by Volume</i>
DuPont™18321S™ Polyurethane Clearcoat	1
DuPont™18868S™ Flattener	1
DuPont™ 18120S™/18122S™ Urethane Activator	0.5

Viscosity will be approximately 8 to 10 seconds in a Zahn #2  
VOC will be 3.6 lbs/gal (LE), 2.5 lbs/gal (AP)



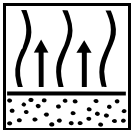
### Pot Life and Induction Time

Pot life is 3 hours at 70°F (21°C)  
No induction time is required prior to application.



### Application

Application and recoat recommendations are the same as DuPont™18321S™ Polyurethane Clearcoat. Brushing or rolling of the flattened material is not recommended



### Dry Times

Same as DuPont™18321S™ Polyurethane Clearcoat



### Cleanup Solvents

DuPont™ 3642S™ Thinner or Nason®481-16 Thinner

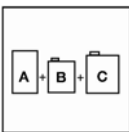
### Ready-to-Spray

Theoretical Coverage(at 1 mil dry film thickness)	555 ft <sup>2</sup> /gal
Weight Solids	43%
Volume Solids	35%
Gallon Weight	8.28 lbs/gal

## DuPont™PT196™ Flattener

The particle size and concentration of DuPont™PT196™ Flattener are optimum for use in Imron®MS600™ Topcoats.

The use of DuPont™PT196™ Flattener is not recommended for significant gloss reductions in DuPont Marine Clearcoats. It does not provide a consistent, acceptable appearance for clearcoat applications.



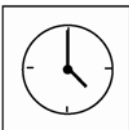
### Mix Ratio

Review the Imron®MS600™ Topcoat Product Data Sheet. For a satin gloss surface with Imton®MS600™ Topcoat, the following mix ratio is recommended for a starting concentration: Mix DuPont™PT196™ Flattener and Imron®MS600™ Topcoat 1:1 by volume until homogeneous. Activate the Flattener/Topcoat mixture 3:1:1 with DuPont™18100S™ Urethane Activator and the appropriate reducer and mix well until uniform.

For Example:

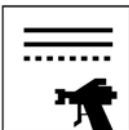
<i>Component</i>	<i>Part by Volume</i>
Imron®MS600 Topcoat	1.5
DuPont™18869S Flattener	1.5
DuPont™18100S™ Urethane Activator	1.0
DuPont Topcoat Reducer	1.0

Viscosity will be approximately 21-25 seconds in a Zahn #2 (color dependent)  
VOC will be 3.6 lbs/gal (LE), 2.7 lbs/gal (AP)



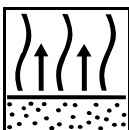
### Pot Life and Induction Time

Pot life is 2.5 to 3.5 hours at 75°F (24°C) Color dependent  
No induction time is required prior to application.



### Application

Application and recoat recommendations are the same as Imron®MS600 Topcoat. Brushing or rolling of the flattened material is not recommended. Lowering gloss will affect the perceived color of the topcoat.



### Dry Times

Dry times will be extended several hours (3-6) with the use of DuPont™PT196™, depending on the color.



### Cleanup Solvents

DuPont™ 3642S™ Thinner or Nason®481-16 Thinner

### Ready-to-Spray

Theoretical Coverage(at 1 mil dry film thickness)	622 ft <sup>2</sup> /gal average
Weight Solids	48% average
Volume Solids	38% average

### Safety and Handling

For industrial use only by professional, trained painters. Not for sale to or use by the general public. Before using, read and follow all label and MSDS precautions. If mixed with other components, mixture will have hazards of all components.

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or approved ventilation, and gloves.

Do not allow material or overspray to enter drains or waterways

E-R 4769/K-17662  
Revised 12/2007