

who offers high performance  
pigments for your coatings needs?

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working for you.

**SunChemical®**

a member of the DIC group



## The Application Of Predisol CAB

- **Automotive Coatings OEM**
- **Automotive Coatings Refinish**
- **Plastic Coatings**

## Other Possible Usage of Predisol CAB

- **Nitrocellulose Lacquers**
- **Air Drying Thermoplastic Acrylic Enamel**
- **Acid Curing Furniture Lacquers**
- **Wood Stains**
- **Polyurethane Finishes (check compatibility)**

## The Illustration of Dispersion Process

### • Equipment required:

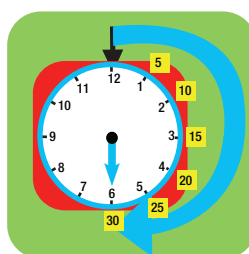
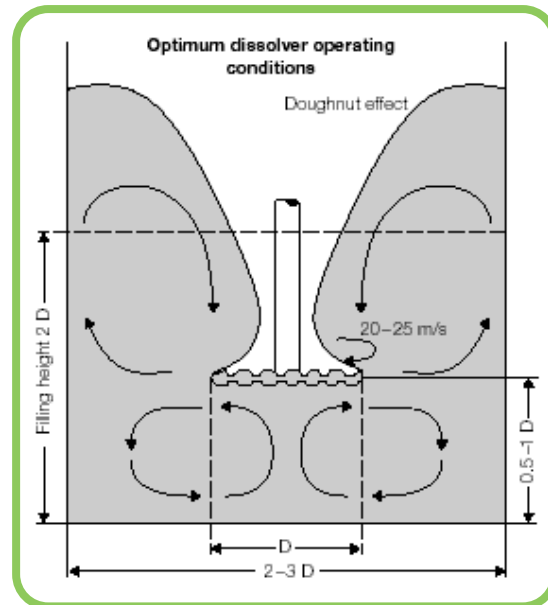
A high speed stirrer and suitable container is needed. A impeller with altered teeth is highly recommended.

### • Operation procedure:

- 1 Add the resin and solvent tint container slowly.
- 2 Add Predisol into the solution slowly under low speed stirring.
- 3 After all the chips have been added, time counting begins. Have a lid or aluminum foil over it to avoid volatilization.
- 4 Stir the solution at a linear velocity of 1200 m/min for 30-45 minutes before finished.

## Notes:

- The linear velocity of the impeller should be higher than 1200 m/min (1500 m/min is strongly recommended).
- Linear velocity = RoundsPerMinute  $\times \pi \times$  diameter of impeller.
- The diameter of the impeller should be close to 1/3 of the diameter of the container.
- Impeller disc should be placed at 1/3 of the liquid depth.



take advantage  
of the remarkable  
durability of  
Predisol CAB.



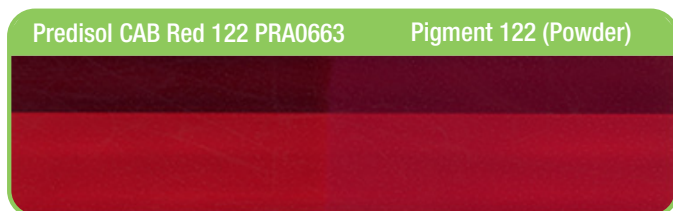
## The Introduction of Predisol CAB

Predisol CAB is a finely pre-dispersed pigment preparation in granule, non-dusting form. They enable the formulation of coatings with excellent coloristic properties in a very short processing time. Predisol CAB are primarily used for automotive finishes, both metallic and solid colors.

Predisol preparations are characterized by high pigment content (up to 80%) and ease of incorporation by simple stirring. The selected pigments are high performance organic and inorganic pigments with excellent weather-resistance and transparency. The carrier is a medium viscosity grade Cellulose Acetate Butyrate resin.

The main advantage of Predisol CAB preparations lies in the fact, that the pigment particles are fully separated and completely wetted by the carrier resin. As a result, this allows for development of the maximum color intensity, a cleaner hue and extreme transparency of the base pigment. Consequently a more intense “metallic flop” can be realized in metallic and pearlescent finishes. The intensity of chroma and cleanliness of hue is in most cases much better than that achieved from the same, dry pigment using conventional dispersion procedures, even with today's modern efficient techniques.

## The Advantages of Predisol CAB



### ✓ Ease of dispersion

No need for grinding. Predisol CAB preparations are formulated with a balance of pigment and resin to achieve complete incorporation after 30-45 minutes high speed stirring at the recommended peripheral speed.

### ✓ Good compatibility

The selection of CAB has good compatibility with the common used acrylic resin, ketone and ester.

### ✓ No additives

The preparations do not contain any other ingredients or additive, whereby potential formulation troubles are avoided.

### ✓ Improved flow

The flow properties of the Predisol CAB preparations are better than equivalent pigments that have been dispersed by conventional procedures. It is possible to achieve more intense dark colors especially in the red and maroon area, that cannot be achieved by pigment dispersed by conventional procedures, due to poor flow properties and thixotropy.

### ✓ Jet black



The Predisol CAB range contain a selection of high grade black pigments which provide a very deep black color with excellent jetness.













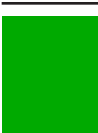
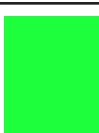


### ✓ Good consistency

The simplified dispersion process reduces uncertainty in production. The quality consistency of the final product could be guaranteed more easily.

### ✓ Ease in production

It is easier to clean a stirrer and impeller than other kind of dispersing equipment. The scale of production could be adjusted anytime without extra cost.

Masstone	Tint 1:4	Colour Index	Product Code	Pigment/ Binder Content	CAB Type	Light Fastness		Comments
						Masstone	Tint	
		Yellow 42	PYA-2692	60%/40%	531-1	8	7-8	Transparent & durable
		Yellow 110	PYA-0642	60%/40%	531-1	8	7-8	Reddish yellow shade, high durable
		Yellow 129	PYA-2611	60%/40%	531-1	7-8	7-8	Green shade yellow, transparent
		Yellow 150	PYA-0150	60%/40%	531-1	8	7-8	Green shade yellow, transparent
		Red 101	PRA-0603	50%/50%	531-1	8	7-8	Transparent & durable
		Red 122	PPA-0663	60%/40%	531-1	8	7-8	Magenta , transparent & brilliant
		Red 177	PRA-2651	60%/40%	531-1	7-8	7-8	Transparent and high chroma
		Red 179	PMA-0627	60%/40%	531-1	8	7-8	Bluish perylene red, maroon
		Red 224	PPA-0224	60%/40%	531-1	8	7	Transparent, high chroma
		Red 254	PRA-2653	60%/40%	531-1	8	7-8	High chroma

Masstone	Tint 1:4	Colour Index	Product Code	Pigment/ Binder Content	CAB Type	Light Fastness		Comments
						Masstone	Tint	
		Violet 23	PVA-2683	60%/40%	531-1	7-8	7-8	Pure & clean shade
		Violet 55	PVA-0055	60%/40%	531-1	7-8	8	Blue shade, chromatic
		Blue 15:2	PBA-0628	60%/40%	531-1	8	8	$\alpha$ -type, reddish blue
		Blue 15:4	PBA-2660	75%/25%	531-1	8	7-8	$\beta$ -type, greenish blue
		Blue 60	PBA-0683	70%/30%	531-1	8	7-8	Transparent, excellent light fastness
		Green 7	PGA-2685	60%/40%	531-1	8	7-8	Phthalocyanine green
		Green 36	PGA-0678	80%/20%	531-1	7-8	7-8	More yellowish green
		Black 7	PLA-0624	33%/67%	531-1	8	8	High jet black, good compatibility
			PLA-2608	33%/67%	381-2 BP	8	8	High jet black
			PLA-3801	33%/67%	381-0.5	8	8	High jet black, for plastic coating
			PLA-2609	33%/67%	531-1	8	8	Slightly blue shade black, good compatibility
			PLA-2603	60%/40%	531-1	8	8	Tinting black
			PLA-2604	50%/50%	381-0.5	8	8	Tinting black



### **A partner who transforms with you.**

Today's environment requires more than change. It demands transformation — and a partner who's willing to transform with you. Sun Chemical, a member of the DIC group, is a leading producer of printing inks, coatings and supplies, pigments, polymers, liquid compounds, solid compounds, and application materials. Together with DIC, Sun Chemical has over 20,000 employees located at 176 subsidiaries across 63 countries working every day to meet the needs of customers by improving performance on the essentials of business, such as reliable, on-time delivery and consistent product quality. Sun Chemical tailors solutions to unique customer needs and brings new ideas and the latest technology to market. As you move forward into a world of stiffer competition, faster turnarounds, more complex demands and sustainable products, count on Sun Chemical to be your partner.

**working for you.**

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