



who offers high performance pigments for your coatings needs?

we do.

Predisol® CAB Catalog

Solutions. Tailor-Made.™



SunChemical®

a member of the DIC group



take advantage of the remarkable durability of our Predisol® CAB from Sun Chemical Performance Pigments.

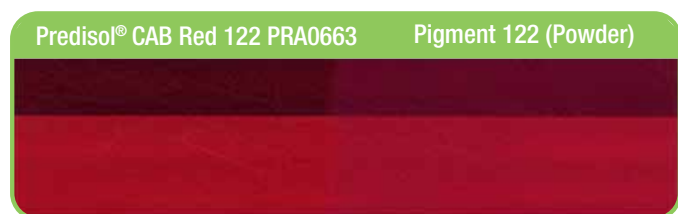
The introduction of Predisol® CAB

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 allow 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.

The application of Predisol® CAB

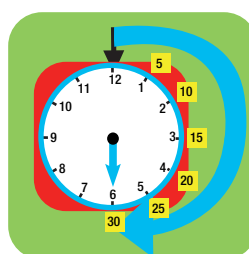
- Automotive Coatings OEM
- Automotive Coatings Refinish
- Plastic Coatings

Other possible usage of Predisol® CAB

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

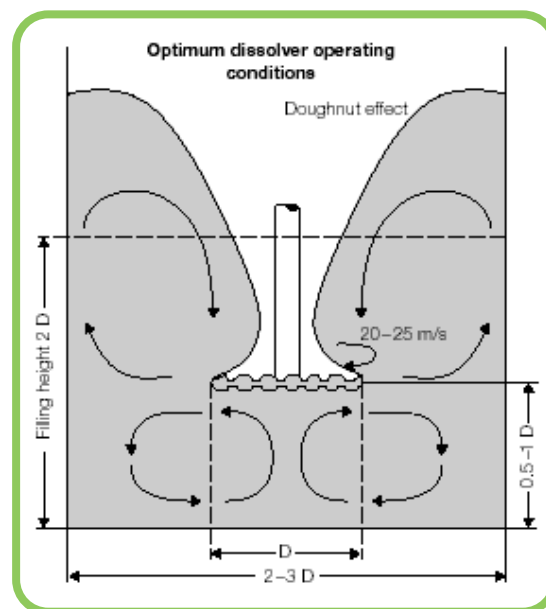
The illustration of dispersion process

- **Equipment required:**
A set of high speed stirrer and suitable container is needed. The 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 1500 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 = $\text{RoundsPerMinute} \times \pi \times \text{diameter of impeller}$.
- 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.



Although the information presented here is believed to be reliable, Sun Chemical Corporation makes no representation or guarantee to its accuracy, completeness or reliability of the information. All recommendations and suggestions are made without guarantee, since the conditions of use are beyond our control. There is no implied warranty of merchantability or fitness for purpose of the product or products described herein. In no event shall Sun Chemical Corporation be liable for damages of any nature arising out of the use or reliance upon the information. Sun Chemical Corporation expressly disclaims that the use of any material referenced herein, either alone or in combination with other materials, shall be free of rightful claim of any third party including a claim of infringement. The observance of all legal regulations and patents is the responsibility of the user.

Masstone	Tint 1:4	Product Code & Trade Name	Color Index	Pigment/Binder Content	CAB Type	Light Fastness		Comments
						Masstone	Tint	
		Predisol® CAB Black 7 PLA 0624	PBK 7	33%/67%	531-1	8	8	High jet black, good compatibility
		Predisol® CAB Black 7 PLA 2608	PBK 7	33%/67%	381-2 BP	8	8	High jet black
		Predisol® CAB Black 7 PLA 3801	PBK 7	33%/67%	381-0.5	8	8	High jet black, for plastic coating
		Predisol® CAB Black 7 PLA 2609	PBK 7	33%/67%	531-1	8	8	Slightly bluish black, good compatibility
		Predisol® CAB Black 7 PLA 2603	PBK 7	60%/40%	531-1	8	8	Tinting black
		Predisol® CAB Black 7 PLA 2604	PBK 7	50%/50%	381-0.5	8	8	Tinting black
		Predisol® CAB Blue 15:2 PBA 0628	PB 15:2	60%/40%	531-1	8	8	α-type, reddish blue
		Predisol® CAB Blue 15:4 PBA 2660	PB 15:4	75%/25%	531-1	8	7-8	β-type, greenish blue
		Predisol® CAB Blue 60 PBA 0683	PB 60	70%/30%	531-1	8	7-8	Pure, weathering resistance
		Predisol® CAB Violet 23 PVA 2683	V 23	60%/40%	531-1	7-8	7-8	Pure & clean shade

Masstone	Tint 1:4	Product Code & Trade Name	Color Index	Pigment/Binder Content	CAB Type	Light Fastness		Comments
						Masstone	Tint	
		Predisol® CAB Red 122 PRA 0663	PR 122	60%/40%	531-1	8	7-8	Magenta , transparent & brilliant
		Predisol® CAB Red 177 PRA 2651	PR 177	60%/40%	531-1	7-8	7-8	Transparent and high chroma
		Predisol® CAB Red 254 PRA 2653	R 254	60%/40%	531-1	8	7-8	High chroma
		Predisol® CAB Red 179 PMA 0627	R 179	60%/40%	531-1	8	7-8	Bluish perylene red, maroon
		Predisol® CAB Red 101 PRA 0603	PR 101	50%/50%	531-1	8	7-8	Transparent & durable
		Predisol® CAB Yellow 110 PYA 0642	PY 110	60%/40%	531-1	8	7-8	Reddish yellow shade, high durable
		Predisol® CAB Yellow 129 PYA 2611	PY 129	60%/40%	531-1	7-8	7-8	Greenish yellow, transparent
		Predisol® CAB Yellow 42 PYA 2692	PY 42	60%/40%	531-1	8	7-8	Transparent & durable
		Predisol® CAB Green 36 PGA 0678	PG 36	80%/20%	531-1	7-8	7-8	More yellowish green
		Predisol® CAB Green 7 PGA 2685	PG 7	60%/40%	531-1	8	7-8	Phthalocyanine green

Sun Chemical - Global Success in a World of Color

Sun Chemical Performance Pigments has been in the color business for over 100 years. Our leading-edge technology is unsurpassed as we continue our commitment to solve the color issues of today and develop new solutions for the future. Headquartered in Cincinnati, Ohio, Sun Chemical Performance Pigments is a division of Sun Chemical Corporation.

With annual revenues of more than \$4 billion, Sun Chemical Corporation is the world's largest producer of printing inks and pigments. We also are a leading provider of materials and services to cosmetics, packaging, publications, coatings, plastics and other industrial markets. Sun Chemical has a worldwide network of more than 300 locations that provide customers local service with a global perspective.

To learn more about our pigments, contact your local Sun Chemical representative.

Sun Chemical Performance Pigments

General Sales Office USA	+1 800 543 2323
International Operations Belgium	+32 1023 1500
Sun Chemical Mexico	+52 55 5358 7247
Sun Chemical Latin America	+55 (11) 2445 1116
www.sunchemical.com	

SunChemical®
a member of the DIC group 