SunChemical®

JUST IMAGINE

SUN CHEMICAL – GLOBAL SUCCESS IN A WORLD OF COLOUR

Sun Chemical is the world's largest producer of printing inks and pigments. It also is a leading provider of materials and services to packaging, publication, coatings, plastics, cosmetics and other industrial markets. Sun Chemical has more than 300 locations worldwide to provide customers local service with a global perspective.

Sun Chemical has a historic pedigree, tracing its history back to 1818. Since then, Sun Chemical has expanded its operations, bringing many well-known companies and brands under its umbrella including Coates Lorilleux, Hartmann, US Ink and Kohl & Madden.

Printing Inks and Coatings: SunChemical • Concept: Achim Krell GmbH • www.achimkrellgmbh.de

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SHEETFED EUROPE

SUN CHEMICAL INKS IN PANTONE® COLOURS

PANTONE® and other Pantone, Inc. trademarks are the property of Pantone, Inc.
Sun Chemical is a licensed user of the PANTONE MATCHING SYSTEM®.

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NEW SUN CHEMICAL BASE INKS FOR THE PANTONE MATCHING SYSTEM®

Sun Chemical has developed new and advanced sheetfed offset inks in PANTONE® colours based on vegetable oil technology. These inks provide a more accurate and faithful reproduction of the colours in the worldwide PANTONE MATCHING SYSTEM®. Using the latest in vegetable oil based and mineral oil-free technology these new Sun Chemical inks in PANTONE identified colours can be used with confidence to give reliable colour reproduction with the highest standards in press performance.

KEY FEATURES OF SUN CHEMICAL INKS IN PANTONE COLOURS:

- Systematically controlled by spectrophotometer in manufacture.
- Based on vegetable oil technology and mineral oil-free.
- Ideally adapted for most sheetfed printing on paper and board and on 8, 10 or 12 colour perfecting machines.
- Suitable for narrow web rotary machines (such as those used to print business forms and direct mail).

KEY PRESS PERFORMANCE

- Duct fresh and with a wide water tolerance for exceptional inking stability giving consistent print quality on long and short runs.
- Suitable for printing with or without isopropyl alcohol
- Minimal back cylinder wash-ups in perfecting printing.
- High ink transfer – excellent flow through the ink train and quick blanket release.

KEY CHARACTERISTICS

- More accurate and consistent reproduction of PANTONE basic colours and blends as shown in the latest editions of the PANTONE formula guide.
- Rapid post-print handling with fast and effective drying.
- High print quality in solid and tone work with excellent rub resistance when dry.
- Suitable for web business forms printing and Laser personalisation.
- Sun Chemical inks in PANTONE identified colours can be used on all types of sheetfed lithographic presses including multiunit perfecting machines, irrespective of the dampening.
- These inks can also be used on web-fed rotary machines for business form, continuous stationary and direct mail printing.
- Sun Chemical inks in PANTONE identified colours are responsive to auxiliary drying systems such as infrared and hot air. To reduce the risk of set-off or blocking in the stack when using such drying equipment, the stack temperature should not exceed 35-40 °C.
- Sun Chemical inks in PANTONE identified colours are duct fresh. For long stops cleaning of the roller train is advised. Using an antioxidant spray can further increase stability on the press.

SUN CHEMICAL INKS IN PANTONE IDENTIFIED COLOURS OPEN THE DOOR TO THE PANTONE GLOBAL COLOUR SYSTEM

A TOTAL PACKAGE

FOUNTAIN SOLUTIONS

Sun Chemical inks in PANTONE® identified colours are compatible with a wide range of fountain solutions with and without isopropyl alcohol (0-12%).

- SunFount 410 (5-8% IPA level in fountain solution)
- SunFount 480 (0-5% IPA level in fountain solution)
- SunFount 460 (0% IPA with active copy layer protection safe for CTP plates)

FINISHING

Sun Chemical inks in PANTONE identified colours can be over varnished with our specialised products:

- In-line or off-line with SunCoat™ range of water based coatings.
- Off-line when fully dried with the SunCure™ range of UV varnishes.

Note that not all Sun Chemical inks in PANTONE identified colours are suitable for all print finishing. Careful selection of the actual inks to be used should be made on the basis of the necessary product resistance for the finishing process to be used. For help please consult our technical services for advice on all aspects of print finishing.

HEALTH, SAFETY AND ENVIRONMENT

Sun Chemical inks in PANTONE identified colours have been formulated with respect to appropriate environmental issues and to allow the printer to comply with associated regulations through the use of raw materials from renewable resources where possible.

Sun Chemical inks in PANTONE colours			Light fastness ISO 2835	Alcohol ISO 2837	Solvent Mixture ISO 2837	Alcali ISO 2838
PANTONE Yellow	G26100	NPS18	5	+	+	+
PANTONE Yellow 012	G26120	NPS15	5	+	+	+
PANTONE Orange 021	O26200	NPS21	5	+	+	+
PANTONE Warm Red	R26306	NPS31	3	-	-	-
PANTONE Red 032	R26301	NPS32	5	+	-	+
PANTONE Rubine Red	R26700	NPS42	5	+	+	-
PANTONE Rhodamine Red	R26720	NPS55	4	-	-	-
PANTONE Purple	P26760	NPS51	4	-	-	-
PANTONE Violet	P26770	NPS52	4	-	-	-
PANTONE Blue 072	B26401	NPS60	4	-	-	-
PANTONE Reflex Blue	B26430	NPS61	4	-	-	+
PANTONE Process Blue	B26420	NPS17	8	+	+	+
PANTONE Green	V26500	NPS71	8	+	+	+
PANTONE Black	S26900	NPS50	8	+	+	+
PANTONE Transparent White	W26000	NPS48		+	+	+

Note: The pigments used in Sun Chemical inks in PANTONE identified colors may not be fully resistant to all post printing conditions. The actual resistance values can be found in our technical data sheet that is available on request.
Sun Chemical IROCART inks with additional resistances can be supplied on request. Please note that the pigments used in Sun Chemical inks in PANTONE identified colors are those necessary to meet the colors obtained in the PANTONE MATCHING SYSTEM® and the use of other pigments may not yield exactly the same blended color.
The intensity of Sun Chemical inks in PANTONE identified colors is that required to better match the blended colors in the PANTONE MATCHING SYSTEM®.
For products with increased intensity for some specific solid printing (for example PANTONE Warm Red, PANTONE Red 032 and PANTONE Blue 072) please contact Sun Chemical.

The colors shown here have not been evaluated by Pantone, Inc. for accuracy and may not match the PANTONE Color Standard. Consult current PANTONE Color publications of accurate color. PANTONE® and PANTONE MATCHING SYSTEM® are the property of Pantone, Inc.