

SunSheet **Platinum** Technical Data Sheet

SunSheet Platinum is a conventional sheetfed ink system formulated for use on commercial sheetfed offset presses. These inks offer a wide color gamut, and are suitable for instances when reduced ink film-weights or increased print density is required. When you are looking for conventional sheetfed inks for your high speed and high-end printing, SunSheet Platinum is the gold standard for performance.

typical characteristics and features

SunSheet Platinum inks are formulated to have the following properties:

- Swiss Ordinance and Nestle compliant
- Designed for non-direct food contact - examples: Pharma and Cosmetic market segments
- Wide water tolerance
- Fast setting
- Quick to color
- Low to no mist at high print speeds
- ISO 2846:1 color compliant
- Low VOC
- Mineral Oil Free
- Cobalt Free

Description	EMG Number
Sunsheet Platinum Process Black	PLT24
Sunsheet Platinum Process Cyan	PLT38
Sunsheet Platinum Process Magenta	PLT39
Sunsheet Platinum Process Yellow	PLT41

Note: The above products are available in a variety of packaging. Please contact your local dealer / distributor for container specific product codes.

technical information and ink handling

Physical properties

- Volatile organic compound (VOC) content* < 2%
- Vegetable oil content ~33%
- BRC Rating** = 70

*Based upon EPA Method 24 protocol + 2% accuracy.

**BRC rating represents "bio-renewable content" as determined by ASTM method D6866

Press considerations

SunSheet Platinum inks work on all types of sheetfed presses including standard, high speed, perfecting and wide format configurations. As with other sheetfed offset ink, it is an important practice to optimize ink and water settings to a minimal point with these inks.

Reducers

Please consult your local dealer / distributor.

Rollers and plates

It is best to use rollers recommended by specific press manufacturers for all folding carton printing applications. Plates should be well tested prior to any press or printing application to ensure that they meet the specific production requirements of each printing facility.

*Note: For any post printing processes an adequate ink drying time must be allowed (minimum 48 hours) depending on ink coverage and type of stock. Each printing facility should fully test all inks and coatings under their own specific press conditions to identify any limitations. For offline UV coatability it is strongly recommended to use aqueous primer over inks to help promote best results.



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clean-up

As with all press conditions, please consult with your press manufacturer for best press wash recommendations. Sun Chemical Rycoline® offers press wash and fountain solution products designed for most presses and Sun Chemical sheetfed ink technologies.

substrates

SunSheet Platinum can be used for printing on any type of paper and board type stock. For wax impregnated or barrier type stocks, please consult your local dealer / distributor.

Note: SunSheet Platinum is not for plastic printing applications.

storage considerations

SunSheet Platinum inks are to be stored in ambient conditions, 60°– 85°F (15° – 29°C). As with all printing inks, containers should be covered when possible.

safety, health and environment

SunSheet Platinum inks are to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Material Safety Data Sheet for specific information. Material Safety Data Sheets will be supplied.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

Please contact your local Sun Chemical dealer / distributor for all product questions.

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