

This Technical Data Sheet outlines the Satin 1600 colors within the standard PowerPrint® 1600 UV Screen ink series. Refer to the PowerPrint® 1600 Series Technical Data Sheet for general processing and handling recommendations for all the PowerPrint® 1600 Series inks; any exceptions in processing or handling for the Satin 1600 items are outlined in this Supplemental Technical Data Sheet.

Satin 1600 colors can be used in combination with any of the standard PowerPrint® 1600 UV Screen colors.

### GENERAL INFORMATION

*While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. See full disclaimer at the end of the document.*

#### WEATHERING / OUTDOOR DURABILITY

At full strength and properly cured, Satin 1600 colors are formulated to provide 6-12 months outdoor durability when mounted vertically in the Central U.S.A. The use of S1627 Overprint Clear increases outdoor durability.

Outdoor durability cannot be specified exactly. Slight color change and loss of gloss should be expected. Variables affecting a printed part's durability include:

- Ink film thickness and degree of curing
- Color formulation:
  - Adding large amounts of mixing clear or white to any color
  - Mixing several colors to achieve a specific color
  - Mixing a small quantity of any single color with any other color
- Substrate type and age
- Mounting angle or directional orientation
- Geographical location
- Air pollution
- Exposure to excessive abrasion (for example, brush car washes)
- Non-clear coated prints exhibit more color change

### PRODUCT OFFERING

#### STANDARD PRINTING COLORS

Standard Printing Colors have excellent opacity and print characteristics. These colors are intended to work well from the container.

#### PANTONE MATCHING SYSTEM® BASE COLORS

Pantone Matching System® Base Colors are used to simulate the Pantone® Formulation Guide. These inks are press ready, can be used in matches to achieve Pantone® color simulations, or let down with mixing clear.

360 Series Colors: S16360-S16369 colors are formulated to have no white or opaque pigments. This allows the colors to be more vibrant, especially for intense and dark colors.

### HALFTONE COLORS

Halftone Extender Base is used to reduce the density of any of the halftone colors.

Standard Halftone Colors are formulated with hues and densities matched to the high end of the SWOP standards.

Dense Halftone Colors are formulated with increased densities over the Standard Halftone densities and are designed for printers that want to have the latitude to adjust the density levels of their halftone inks.

High Intensity Halftone Black functions as a dense halftone and line color in a single pass.

Low Tack Rheology (LTR) Halftones can achieve the fastest processing speeds while maintaining dot quality with very minimum dot pile.

Economy (EC) Magenta & Economy Yellow Colors: The Economy Halftone Colors have a limited outdoor weatherability of 6 months.

### PACKAGING / AVAILABILITY

Special order colors: all items listed below are non-inventoried items and may include additional lead time to provide products. These items are available in gallon containers.

Item Number	Standard Printing Colors	Item Number	Pantone Matching System® Base Colors
S1619	Fire Red	S16358	Tinting White
S1626	Mixing Clear	S16359	Tinting Black
S1627	Overprint Clear	S16360	Orange
S1652	Super Opaque Black	S16361	Yellow
S1675	Super Opaque White	S16362	Warm Red
S1678	High Intensity White	S16363	Rubine Red
S1679	High Intensity Black	S16364	Rhodamine Red
		S16365	Purple
Item Number	LTR Halftone Colors (Low Tack Rheology)	S16366	Violet
S16120	Halftone Extender Base (LTR)	S16367	Reflex Blue
S16121	Halftone Cyan (LTR)	S16368	Process Blue
S16EC128	Economy Halftone Magenta (LTR)	S16369	Green
S16EC127	Economy Halftone Yellow (LTR)		
S16124	Halftone Black (LTR)		
S16131	Halftone Cyan Dense (LTR)		
S16EC138	Economy Halftone Magenta Dense (LTR)		
S16EC137	Economy Halftone Yellow Dense (LTR)		
S16134	Halftone Black Dense (LTR)		
S16136	High Intensity Halftone Black (LTR)		



# POWERPRINT<sup>®</sup> 1600 SATIN UV SCREEN INK

## SUPPLEMENTAL TECHNICAL DATA SHEET

*Nazdar<sup>®</sup> stands behind the quality of this product. Nazdar<sup>®</sup> cannot, however, guarantee the finished results because Nazdar<sup>®</sup> exercises no control over individual operating conditions and production procedures. While technical information and advice on the use of this product is provided in good faith, the User bears sole responsibility for selecting the appropriate product for their end-use requirements. Users are also responsible for testing to determine that our product will perform as expected during the printed item's entire life-cycle from printing, post-print processing, and shipment to end-use. This product has been specially formulated for screen printing, and it has not been tested for application by any other method. Any liability associated with the use of this product is limited to the value of the product purchased from Nazdar<sup>®</sup>.*

Based on information from our raw material suppliers, these products are formulated to contain less than 0.06% lead. If exact heavy metal content is required, independent lab analysis is recommended.

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