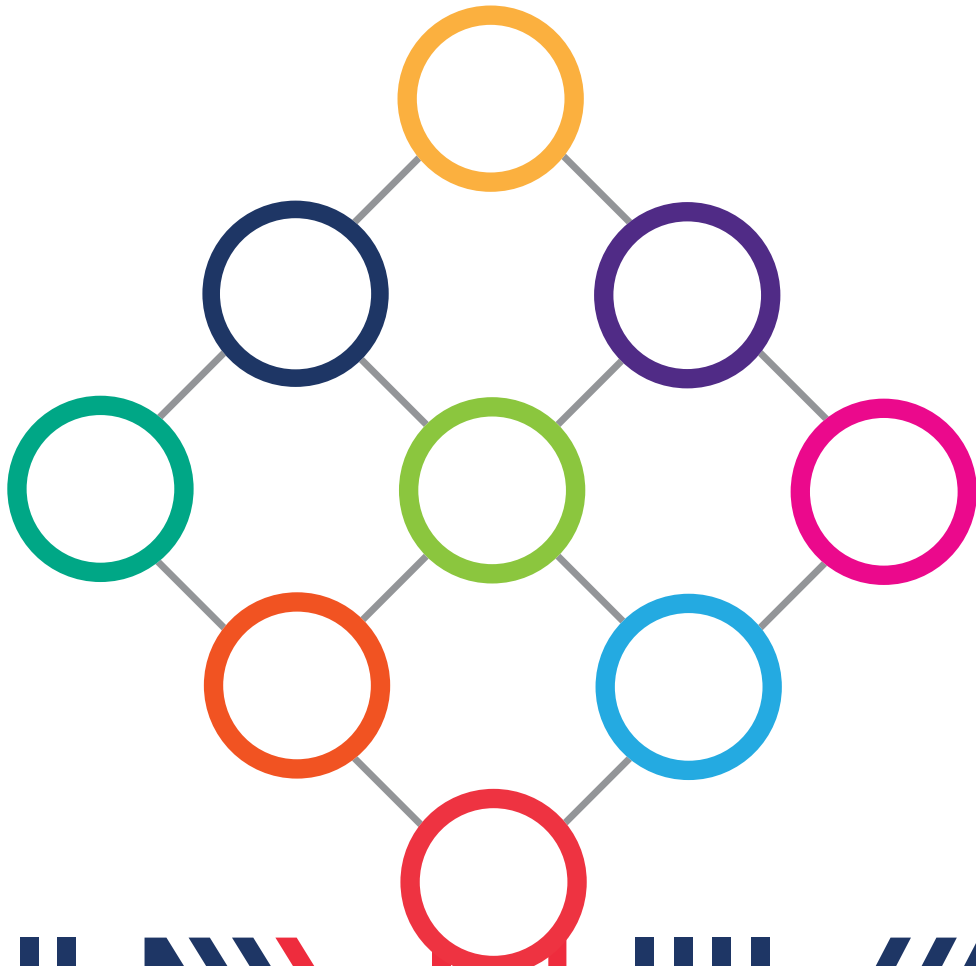




A comprehensive range of screenprinting inks.



SCREENTEC

NAZDAR

INK TECHNOLOGIES



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1600 Series

- Indoor/Outdoor – 2 year
- Multi-Purpose POP Applications
- High Speed, Low UV output
- Hard ink surface, Low Odor
- High Block Resistance

1800 Series

- Indoor/Outdoor – 2 year
- Wide Range of Substrates
- Corrugated Plastics
- High Speed, Low UV output
- High Block Resistance

1900 Series

- Indoor/Outdoor – 2 year
- Low UV output, Good Flexibility
- High Block Resistance

EC3600 Economy Process Colors

- Indoor/Outdoor Short Term – 6 m
- Economical Vinyl Banner Ink
- Halftone Availability Only
- Not InterPrintable w/3900 Series

4000 Series

- Indoor/Outdoor – 2 year
- Excellent Acrylic Adhesion
- Heat Bend Applications
- Suitable For Vacuum Forming
- Wide Substrate Range Adhesion

4200 Series

- Indoor and short-term outdoor
- Optimizes cure speed, adhesion range, ink film flexibility, print speed, and image quality

LED 2600 Series

- UV/LED Cure
- Indoor/Outdoor – 2 year
- Point of sale/point of purchase graphic applications on a wide range of substrates

	POP Inks						
	1600	1800	1900	EC3600	4000	4200	LED2600
ABS	X	X			X		X
Acrylic					X		X
Cardstock	X	X	X		X	X	X
Cardstock - Uncoated	M	M	M			X	
Cardstock - Polycoated	C	X	X		X	X	X
Corrugated Board	M	M	M				
Corrugated Plastics	C	X	C		X	X	X
Foamcore	X	X	X		X	X	X
Metal - Acrylic Coated	C	C			C		C
Metal - Enamel Coated	C	C			C		C
Paper - Coated	X	X			X	X	X
Paper - Uncoated	M	M	M			M	
PET							
PETG	X	X			X		X
Polycarbonate	X	X	X		X		X
Polycarbonate (w/adhesive)							
Polyester (print treated)	X						
Polyester (top coated)		X			X	X	X
Polyethylene HD (treated)		X	X		X		X
Polyethylene LD (treated) Container	C						
Polyethylene Banner (treated)	C	X	X		X	X	X
Polypropylene (treated)	C	X	C		X	X	X
Polystyrene	X	X	X		X	X	X
PVC/Sintra®/Celtec	X	X	X		X		X
Static Cling	S		X			S	
Tyvek®	M				X		X
Vinyl - Banner	S		X	X	X	X	S
Vinyl - Decal	X	X	X		S		S
Vinyl - Rigid	X	X	X		S	X	S

*Pre-test all recommendations prior to full production. Where noted "X" indicates recommended for testing, "S" indicates some materials, "M" indicates recommended for testing with matte flattener, "C" indicates recommended for testing with appropriate catalyst. When catalyzing UV inks, typically 3 - 5% NB80 is used for all applications. Whenever using a catalyst, allow 24 - 48 hours for inks to fully post-cure before checking adhesion.

This product has been tested on this class of material and is recommended for testing under your specific processing conditions.

2400 UV/LED Membrane Overlay

- For 2nd Surface Printing
- Indoor/Short Term Outdoor

3400 UV Nameplate

- Indoor/Outdoor
- Nameplate / Membrane Overlays
- Compatible w/Acrylic Laminating Adhesives
- 1st & 2nd Surface Printing
- Excellent Opacity & Flexibility

NSC UV Clears

- Textured Clears
- Window Clears
- Lens Clears

2300 UV/LED Container

- Indoor Container & Industrial
- Glass & Plastics
- 1st & 2nd Surface Printing
- UV & UV/LED Curing

4300 UV Container

- Indoor Container
- HDPE and other plastics
- High Chemical & Water Resistance
- Fast Curing

3500 Durable Graphic

- Indoor/Outdoor Fleet Graphics
- Premium Vinyl Film Applications
- Superior Flexibility & Elongation
- Excellent Weatherability & Chemical Resistance Suitable for Thermal Die-Cutting & Premasks

3600 Decal

- Indoor/Outdoor
- High Performance Decal Ink
- Excellent Exterior Durability & Chemical Resistance
- Suitable for Thermal Die-Cut

2800 LED

- Indoor/Outdoor
- High Performance Decal Ink
- Excellent Exterior Durability & Chemical Resistance
- Suitable for Thermal Die-Cut

	Nameplate			Container		Decal	
	2400	3400	NSC	2300	4300	3500	2800 3600
ABS							X
Acrylic							
Cardstock							X
Cardboard							
Cardstock - Uncoated							
Cardstock - Polycoated							
Corrugated Board							
Corrugated Plastics (treated)							
Foamcore							
Glass				C			
Metal - Acrylic Coated							
Metal - Enamel Coated							
Paper - Coated							
Paper - Uncoated							
PET				X	S		
PETG				X	X		
Polycarbonate	X	X	X		X	X	X
Polycarbonate (w/adhesive)	X	X					
Polyester (print treated)	X	X	X			X	X
Polyester (top coated)	S	X				C	C
Polyethylene HD (treated)				X	X		
Polyethylene LD (treated)				X	X		
Polyethylene Banner (treated)							X
Polypropylene (treated)				X	X		
Polystyrene					X		
PVC/Sintra®/Celtec							
Static Cling							
Tyvek®							
Vinyl - Banner							
Vinyl - Decal						X	X
Vinyl - Rigid					X	X	X

*Pre-test all recommendations prior to full production. Where noted "X" indicates recommended for testing, "S" indicates some materials, "M" indicates recommended for testing with matte flattener, "C" indicates recommended for testing with appropriate catalyst. When catalyzing UV inks, typically 3 - 5% NB80 is used for all applications. Whenever using a catalyst, allow 24 - 48 hours for inks to fully post-cure before checking adhesion.

This product has been tested on this class of material and is recommended for testing under your specific processing conditions.

9700 All Purpose

- Indoor/Outdoor
- Wide Range of Substrates
- High Gloss, Extremely Flexible
- Suitable for Vacuum Forming

7900 Corogloss

- Indoor/Outdoor Short Term
- Treated Corrugated Plastics
- POP & Signage Applications

7200 Lacquer

- Indoor Only
- POP Displays & Book Covers
- Clean, Bright Colors
- Fast Drying

59000 Enamel Plus Gloss

- Indoor/Outdoor
- Hard-To-Adhere-To-Substrates
- Signs & Displays

5100 Series

- Single Part Container Ink

VF Flat Vinyl

- Indoor Only
- Excellent Printability
- Rigid and Flexible Vinyls
- Fast Drying and Non-Blocking
- Can Be Heat Sealed

S2 System-2 Gloss Vinyl

- Indoor/Outdoor
- Optimum Performance Decal
- High Gloss, Fast Drying
- Great Chemical Resistance

4700 Aquasafe

- Indoor/Outdoor Water-Based
- Wide Range of Substrates
- Good Weather Resistance
- Flexible for Vacuum Forming

	9700	7900	7200	59000	5100	VF	S2	4700
ABS	X						X	X
Acetate	X					X	X	X
Acrylic	X			X			X	X
Aluminum (Anodized)				X				
Brass				X				
Butyrate	X					X		X
Cardboard	M		M	M				M
Cardstock - Uncoated	M		M					M
Cardstock - Polycoated	C	X	X					C
Corrugated Board	M		M	M				M
Corrugated Plastics	C	X						
Fiberboard			X	X				
Glass				X				
Leather			X					
Masonite				X				
Metal - Acrylic Coated	C		X	X				C
Metal - Enamel Coated	C		X	X				C
Paper - Coated	X		X	X				X
Paper - Uncoated	M		M					M
PET								
PETG	X						X	X
Polycarbonate	X				X	X	X	X
Polycarbonate (w/adhesive)								
Polyester (print treated)						X	X	
Polyester (top coated)	X		X			X	X	X
Polyethylene HD (treated)	C			X	X			C
Polyethylene LD (treated)					X			
Polyethylene Banner								
Polypropylene (treated)	C	X			X			C
Polystyrene	X						X	X
Static Cling						X	X	M
Tyvek®	M		M					M
Vinyl - Banner	M					X	M	M
Vinyl - Decal	X					X	X	X
Vinyl - Rigid	X					X	X	X
Wood			X	X				

*Pre-test all recommendations prior to full production. Where noted "X" indicates recommended for testing, "S" indicates some materials, "M" indicates recommended for testing with matte flattener, "C" indicates recommended for testing with appropriate catalyst. When catalyzing solvent-based inks, typically 10% NB72 is used for indoor applications and 10% NB80 is used for outdoor applications. Whenever using a catalyst, allow 24 – 48 hours for inks to fully post-cure before checking adhesion.

This product has been tested on this class of material but is recommended for testing under your specific processing conditions.

5500 Flat Poster

- Indoor Only
- Flat Finish
- Short Term POP Displays
- Poster & Serigraph Applications

6100 Fast Dry Enamel

- Indoor Only
- Hard-To-Adhere-To-Surfaces
- Fiber Drum & Treated Polyethylene
- Excellent Resistance To Soaps & Detergents

8400 CVIM Decorating

- Indoor/Outdoor Short Term
- Designed for Polyesters and In-Mold Decorating Applications
- Suitable Replacement for g600

8800 Color Vue Membrane

- Indoor/Outdoor - Specifically For:
- Automotive, Membrane Overlay & Appliance Decorating
- Transparent Lens Like Clarity

8900 Super Set Thermo Set

- Indoor/Outdoor
- High Solids Metal Ink
- Excellent Resistance to Solvents,
- Chemicals, Humidity & Abrasion

ADE Epoxy

- 2 Part Catalyst System
- Hard-To-Adhere-To-Surfaces
- Electronic & Industrial Applications
- Outstanding Solvent, Chemical & Abrasion Resistance

GV Gloss Vinyl

- Indoor/Outdoor
- High Performance Vinyl Ink
- Extremely Flexible
- Suitable for Vacuum Forming

	5500	6100	8400	8800	8900	ADE	GV
ABS				X			
Acetate				X			X
Acrylic		X		X			
Aluminum (Anodized)		X	C		X	X	
Brass		X	C		X	X	
Cardboard	X	M					
Cardstock - Uncoated	X						
Cardstock - Polycoated		X					
Corrugated Board	X	M					
Corrugated Plastics			C			X	
Fiberboard		X					
Glass		X			X	X	
Leather			C				
Metal - Acrylic Coated		X	C		X	X	
Metal - Enamel Coated		X	C		X		
Metal - Polyester Coated			C		X		
Paper - Coated	X	X					
Paper - Uncoated	X	M					
PET			C				
PETG			C				
Polycarbonate			X	X			X
Polycarbonate (w/adhesive)				X			
Polyester (Untreated)							
Polyester (print treated)			C	X			X
Polyester (top coated)			C	X			X
Polyethylene HD (treated)		X	C			X	
Polyethylene LD (treated)							
Polyethylene Banner							
Polypropylene (treated)		X				X	
Polypropylene (Untreated)							
Polystyrene							
Static Cling							
Tyvek®							
Vinyl - Banner							
Vinyl - Decal							X
Vinyl - Rigid							X
Wood		X					

*Pre-test all recommendations prior to full production. Where noted "X" indicates recommended for testing, "S" indicates some materials, "M" indicates recommended for testing with matte flattener, "C" indicates recommended for testing with appropriate catalyst. When catalyzing solvent-based inks, typically 10% NB72 is used for indoor applications and 10% NB80 is used for outdoor applications.

This product has been tested on this class of material but is recommended for testing under your specific processing conditions.

Screen Ink Simulations for the Pantone® Matching System

Product Information

Nazdar's simulations for the Pantone Matching System® are user-friendly systems that allow Nazdar customers to simulate any of the Pantone® Plus Series with the most popular conventional and ultra violet curable inks.

Nazdar's screen printed color reproductions of the Pantone® Color Formula Guide are simulations of the original offset produced colors. While other screen printing ink manufacturers offer various formula guides for simulating Pantone® colors, Nazdar's method of color reproduction has proven to be more consistently accurate.

Benefits of Nazdar's PMS Formulas

Nazdar formulas are unique for two reasons:

- 1) Most formulas are computer matched with the latest X-Rite® ink formulation software under stringent quality control measures to ensure the most accurate simulations possible.
- 2) Higher pigment concentration means more opacity or color density, allowing stronger color possibilities, easier matching and reproduction of the Pantone® shades tailored for the screen printing market.

Higher pigment (greater density) base colors allow easy color adjustment from increasing the color depth to decreasing color value without significantly affecting the color formula.

Because the Nazdar base matching colors contain higher densities, the screen ink simulations for the Pantone Matching System® provide much more versatility in color control. This makes it easier to match colors on a variety of substrates with varying ink deposits caused by mesh, squeegee, print mechanics, etc.

Base Colors

Nazdar's screen ink simulations for the Pantone Matching System® consists of high intensity base component colors including:

- Mixing Clear
- Tinting White
- Tinting Black
- Orange
- Yellow
- Warm Red
- Rubine Red
- Rhodamine Red
- Purple
- Violet
- Reflex Blue
- Process Blue
- Green

Screen Inks Color Matching Recommendations

All color formulas in the Nazdar formula guides use deposit consistencies resulting from controlled print conditions including squeegee, mesh (conventional ink: 260 monofilament, UV ink: 380 plain weave), tension, off contact, print size and other mechanics.

Variables inherent to screen printing often require color adjustment in duplication of the proper color shade or density:

- 1) Color too dark – reduce density by adding Mixing Clear until the proper color is achieved.
- 2) Color too light – reduce the amount of Mixing Clear in the formula until the proper color is achieved.

Since all colors vary significantly in weight, the use of an accurate scale is required for reliable color matching. Scales are available that will weigh in ounces or parts of ounces up to a maximum of one quart range. There are also scales that will measure from ounces to fifty pounds or more.

The use of a knife (spatula) for transferring small amounts of ink from one container to another is much more effective and accurate than pouring or dipping. These knives are available in a variety of sizes, allowing you to mix quantities ranging from a few ounces to five gallons. Wax-free containers ranging from disposable cups to 6-12 ounce plastic containers with lids are recommended for mixing small amounts of color. Power or mechanical mixing is recommended for good reproducible color matching.

Technical Assistance

All color matching formulas included in the Pantone® Color Formula Guide are available in Nazdar's color simulation formula guides for the Pantone Matching System® for conventional and UV inks.

For further assistance, contact Nazdar's technical service department at: 1-866-340-3579 or email: InkAnswers@nazdar.com.

Nazdar offers fast, accurate custom color matching services. Contact your nearest Nazdar distributor for further information.



Software for Color Formulation and Matching

This symbol designates inks which are part of Nazdar's ColorStar® Color Management System software. ColorStar is a powerful productivity tool developed specifically for screen printing shops, offering a list of features to make your business more efficient – and profitable. The ColorStar package includes Pantone® formula matches for the most popular Nazdar UV and conventional inks and comes complete with software, and an easy to follow manual.

- Increases your productivity
- Allows you to produce the correct Pantone® color match time after time.
- Helps reduce set up time and costs with repeat print jobs by allowing you to store the print parameters along with each formula.
- Guarantees the right quantity of ink mixed for each print job by allowing you to perform accurate calculations before you begin.
- Allows you to accurately cost-out a job before giving a quote.
- Compatible with any PC in the Microsoft Windows environment.

All trademarks used herein are property of Pantone, Inc.

Nazdar's color mixing ink formulations produce only simulations of Pantone® Colors in this color reproduction method due to differences in ink film, opacity and pigment selection. The pigment selection used in blending inks may cause metamerism. Pantone, Inc. assumes no responsibility for formula accuracy. All trademarks used herein are either the property of Nazdar, Pantone, Inc. or other companies. Portions© Pantone, Inc., 1963, 1991.

Pantone® is Pantone, Inc's check-standard trademark for color. Portions© Pantone, Inc., 1963, 1991.

Halftone & Color Process Screen Printing

Halftone Printing

Halftone images are commonly printed as single color, two color duotone and full four color process color printing. Process color printing is a method to reproduce full color images through the use of four colors, Cyan, Magenta, Yellow, and Black with halftone dot patterns. All process color images are printed as some form of a halftone.

Halftone Inks

Screen Printing halftone inks are different from the standard screen printing ink colors. There are three characteristics that distinguish halftone inks; color, density, and viscosity. These characteristics will typically apply to each type of ink system: water-based, solvent-based, and UV curing.

Color

Nazdar has been manufacturing halftone inks over the course of several generations of halftone color specifications. Therefore not all Nazdar halftone screen printing inks are made to meet the same printing specifications. Depending upon the market requirements, there will be Nazdar halftone inks that meet ISO 12647-2 specifications for G7 printing, and there are halftone inks that are designed to meet SWOP proofing specifications.

Density

The ability of a transparent ink to absorb specific wavelengths of reflected light is called density and is measured with a densitometer. The measurement of density of a process color ink is considered an excellent way to measure and control actual ink deposit.

Most Nazdar Screen Inks are made in a standard density set that will result in commercial graphic arts density values on the intended substrate for that specific ink series.

Most Nazdar ink series will also have a dense set of halftone inks which are intended to give a printer the flexibility to adjust the density of an ink for various substrates and ink deposit levels.

Viscosity

Halftones are specified by LPI or line per inch of dots. Common LPI counts for screen printing can range from 35 LPI to 150 LPI. This wide variation of halftone LPI count requires a very different performance level from the inks. Generally speaking, the lower LPI counts use a thicker or heavier viscosity ink, while LPI counts above 85 LPI require a less viscous ink that will flow out more and facilitate higher printing speeds.

- Nazdar halftone inks are built in three different viscosity levels:
- HT designated inks are heavy body inks for low LPI counts.
- MTR medium tack rheology inks are for mid LPI counts of 55 – 85 LPI.
- LTR low tack rheology inks are for high LPI counts of 85 LPI and higher.

T7 Halftone Inks: are designed to print to the targeted values of the seven colors (CMYK & RGB) as stated in ISO 12647-2 specification for process color reproduction. These inks can meet the ISO targeted numbers and achieve a neutral 100x3 black when printed on a substrate with a white value similar to a #1 Grade Coated Paper. Best results are achieved when printing these inks at the following solid ink density values and printing sequence:

Cyan 1.45 – 1.50
Yellow 0.95 – 1.00
Magenta 1.25 – 1.30

Estimating Screen Ink Coverage & Costs

Technical information provided for Nazdar Inks always references ink coverage within a range of expected results, such as 2,700 to 3,500 square feet per gallon. This wide range considers all the variables a particular ink series may experience when printed using various applications, mesh, equipment, substrate, and ink viscosity. If your facility prints using three or four different ink/substrate combinations, these coverage figures are too broad for you to accurately determine ink coverage and cost.

To more accurately estimate ink coverage, cost and quantity required for a given job, Nazdar offers the following formula:

1. Weigh the ink in the container after it has been mixed and thinned, just prior to printing. Record this weight.

1 Quart of 1652 Super Opaque Black = 4168.5 grams per gallon

2. Print one sq. ft. (12" x 12" or some division of this) of solid ink coverage onto the substrate most often used for this particular ink. Use the ideal press set-up to achieve the most even ink deposit. The more sheets printed, the more accurate the results. In this example, 122 sheets were printed. Return as much of the ink as possible back into the container and weigh the container. Subtract this weight from the first weight to yield the weight of the ink used to print 122 sheets.

122 square feet coverage of 1652 on gloss Quintessence 80# cover stock used 136 grams of ink 4168.5 grams per gallon ÷ 136 grams ink used = 30.7 x 122 square feet = 3745.4 sq. ft. gallon of 1652 on Gloss Coated Quintessence Paper using 380.34 mesh with a 70/90/70 durometer at 24 n/cm.

Divide the cost of one gallon of this ink by the coverage figure in order to achieve the actual cost per square foot of this particular ink on this particular stock.

\$130.00 per gallon ÷ 3745.4 sq. ft. gallon = .029 or \$.029 per square foot.

3. To put these figures into action, estimate the amount of 1652 ink required and the cost to produce 5,000 posters where the actual print area is 14" x 22" on a 20" x 26" poster. Since the print area is not solid, you may "eyeball" the artwork to guess the approximate coverage of ink as a percentage. This is also common for halftone and process color images.

14" x 22" = 308 square inches x 60% coverage (an estimate) = 185 square inches ink
185 sq. inches ÷ 144 (12" x 12") = 1.28 square feet of ink
1.28 square feet of ink x 5,000 sheets = 6,400 square feet total ink coverage
6,400 square feet ÷ 3745.4 square feet per gallon = 1.71 gallons of 1652
Total ink cost without waste is 1.71 x \$107.70 = \$184.17

Many of these calculations have been included as part of Nazdar's ColorStar® software program, enabling printers to quickly and easily determine costs and coverages on any particular job. See page 57 for more information about the many time - and money - saving benefits of ColorStar.

Nazdar Screen Printing Inks

The following symbols are used throughout this catalog to provide quick visual references for certain important product features:

These symbols represent the type of chemistry used in formulating specific ink products:



= This symbol designates inks which are part of Nazdar's ColorStar® Color Management System software. ColorStar is used to produce accurate PANTONE® color matches, cost-out jobs, store custom ink formulations, and much more. See the ColorStar section on page 75 for more information.

Though we have endeavored to make this Guide as comprehensive as possible, we cannot address every conceivable printing situation a screen printer might encounter. If you have questions concerning issues not covered in this Guide, we encourage you to contact our Technical Service department at 866-340-3579, or e-mail to cstech@nazdar.com.

Nazdar's color mixing ink formulations produce only simulations of PANTONE® Colors in this color reproduction method due to differences in ink film, opacity and pigment selection. The pigment selection used in blending inks may cause metamerism. Pantone, Inc. assumes no responsibility for formula accuracy. All trademarks used herein are either the property of Nazdar, Pantone, Inc., or other companies. Portions© Pantone, Inc., 2003.

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Guidelines for Ink Usage:

Nazdar® stands behind the quality of this product. Nazdar® cannot, however, guarantee the finished results because Nazdar® 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®.

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.



POINT OF PURCHASE INKS

NAZDAR SCREEN PRINTING INKS

PowerPrint® 1600 Series UV Screen Ink



The multi-purpose PowerPrint® 1600 Series UV Screen Ink meets the increased processing speeds of modern printing equipment, curing at lower levels of ultraviolet energy, thereby reducing energy costs and substrate heat exposure. PowerPrint® 1600 Series cures to a tough finish that is highly block resistant. It is engineered to be cost effective for indoor and outdoor retail displays. PowerPrint® 1600 Series includes both gloss and matte colors.

Substrates:

Styrenes, rigid vinyls, pressure sensitive vinyls, polycarbonates, some acrylics, coated papers, coated cardstocks and treated fluted polypropylenes (see Additives section)

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Medium Tack Rheology (MTR) Halftones - T7* Standard

16140	Halftone Extender Base
16141	Halftone Cyan
16147	Halftone Yellow
16146	Halftone Magenta
16144	Halftone Black
16151	Halftone Cyan Dense
16157	Halftone Yellow Dense
16154	Halftone Black Dense
16186	Halftone Magenta Dense

Low Tack Rheology (LTR) Halftones - T7* Standard

16120	Halftone Extender Base
16121	Halftone Cyan
16127	Halftone Yellow
16126	Halftone Magenta
16124	Halftone Black
16131	Halftone Cyan Dense
16137	Halftone Yellow Dense
16134	Halftone Black Dense

Medium Tack Rheology (MTR) Halftones - Standard

16EC147	Economy Halftone Yellow
16148	Halftone Magenta
16EC148	Economy Halftone Magenta
16155	Halftone Yellow Dense RS
16156	High Intensity Halftone Black
16EC157	Economy Halftone Yellow Dense
16158	Halftone Magenta Dense
16EC158	Economy Halftone Magenta Dense

* T7 Halftone Inks: are designed to print to the targeted values of the seven colors (CMYK & RGB) as stated in ISO 12647-2 specification for process color reproduction. These inks can meet the ISO targeted numbers and achieve a neutral 100x3 black when printed on a substrate with a white value similar to a #1 Grade Coated Paper.

Low Tack Rheology (LTR) Halftones - Standard

16128	Halftone Magenta
16EC137	Economy Halftone Yellow Dense
16138	Halftone Magenta Dense
16EC138	Economy Halftone Magenta Dense

Standard Printing Colors

1610	Primrose Yellow
1611	Lemon Yellow
1612	Medium Yellow
1613	Emerald Green
1619	Fire Red
1620	Brilliant Orange
1626	Mixing Clear
1627	Overprint Clear
1636	Metallic Mixing Clear
1652	Super Opaque Black
1667	Reflex Blue
1668	Process Blue
1675	Super Opaque White
1678	High Intensity White
1679	High Intensity Black
1698	Bright White

Matte Standard Printing Colors

M1626	Matte Mixing Clear
M1627	Matte Overprint Clear
M1652	Matte Super Opaque Black
M1675	Matte Super Opaque White
M1679	Matte High Intensity Black

Pantone Matching System® Base Colors

16358	Tinting White
16359	Tinting Black
16360	Orange
16361	Yellow
16362	Warm Red
16363	Rubine Red
16364	Rhodamine Red
16365	Purple
16366	Violet
16367	Reflex Blue
16368	Process Blue
16369	Green

Matte Pantone Matching System® Base Colors

M16358	Matte Tinting White
M16359	Matte Tinting Black
M16360	Matte Orange
M16361	Matte Yellow
M16362	Matte Warm Red
M16363	Matte Rubine Red
M16364	Matte Rhodamine Red
M16365	Matte Purple
M16366	Matte Violet
M16367	Matte Reflex Blue
M16368	Matte Process Blue
M16369	Matte Green



(1600 continued)

Matte Halftones

M1690 Matte Halftone Extender Base
M1691 Matte Halftone Cyan
M1692 Matte Halftone Magenta
M1693 Matte Halftone Yellow
M1694 Matte Halftone Black

Pantone® 871c - 877c Non-Metallic Simulated Colors

67324916 SPL 16 871C Pearl Gold
67324316 SPL 16 872C Pearl Gold
67324416 SPL 16 873C Pearl Gold
67324516 SPL 16 874C Pearl Gold
67324616 SPL 16 875C Pearl Gold
67324716 SPL 16 876C Pearl Gold
67324816 SPL 16 877C Pearl Silver

Additives/Reducers

RE301 UV Reducer
RE308 UV Reducer
CARE118 UV Satin Paste
CARE63 Anti-Blocking Additive
NB80 UV Adhesion Promoter

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

The following is a list of screen printed samples available.

UV Curable Screen Ink: CARDUV
Special Effects Color Card: CARDSPL
Non-Metallic Pantone® Simulations sheet: LIT0121

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

PowerPrint® Plus 1800 UV Screen Ink



The multi-purpose PowerPrint® Plus 1800 Series UV Screen Ink has been formulated to meet the processing speeds of the most modern printing equipment including in-line presses, for a wide range of substrates including treated corrugated polypropylene. PowerPrint® Plus 1800 features include: fast curing, hard ink surface, and high block resistance.

Substrates:

Styrene, cardstock, coated paper, matte vinyl, rigid vinyl, top coated polyester, pressure sensitive vinyl, treated polyethylene banner, treated polypropylene banner, treated corrugated polypropylene and some high density polyethylene sheeting (not recommended for highly plasticized vinyl materials such as vinyl banner and static cling, and not recommended for container or nameplate applications). The surface tension for polyethylene and polypropylene substrates should be at or above 44 dynes/cm

End Uses:

Point-of-Purchase applications on a wide range of substrates for indoor and outdoor advertising.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

MTR T7 Standard/High Density Halftone Colors (Medium Tack Rheology)

18140	Halftone Extender Base
18141	Halftone Cyan
18143	Halftone Yellow
18146	Halftone Magenta
18144	Halftone Black
18151	Halftone Cyan Dense
18153	Halftone Yellow Dense
18154	Halftone Black Dense

MTR Standard/High Density Halftone Colors (Medium Tack Rheology)

18142	Halftone Magenta
18EC142	Economy Halftone Magenta
18EC143	Economy Halftone Yellow
18152	Halftone Magenta Dense
18155	Halftone Yellow Dense RS
18156	High Intensity Halftone Black

LTR Standard/High Density Halftone Colors (Low Tack Rheology)

18120	Halftone Extender Base
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Standard Printing Colors

1810 Primrose Yellow	1827 Overprint Clear
1811 Lemon Yellow	1852 Super Opaque Black
1812 Medium Yellow	1867 Reflex Blue
1813 Emerald Green	1868 Process Blue
1819 Fire Red	1875 Super Opaque White
1820 Brilliant Orange	1878 High Intensity White
1826 Mixing Clear	1879 High Intensity Black

Pantone Matching System® Base Colors

18358 Tinting White	18364 Rhodamine Red
18359 Tinting Black	18365 Purple
18360 Orange	18366 Violet
18361 Yellow	18367 Reflex Blue
18362 Warm Red	18368 Process Blue
18363 Rubine Red	18369 Green

Pantone® 871c - 877c Non-Metallic Simulated Colors

68157518	SPL 18 871C Pearl Gold
68157618	SPL 18 872C Pearl Gold
68157718	SPL 18 873C Pearl Gold
68157818	SPL 18 874C Pearl Gold
68157918	SPL 18 875C Pearl Gold
68158018	SPL 18 876C Pearl Gold
68158118	SPL 18 877C Pearl Silver

Additives/Reducers

RE308	UV Reducer	CARE63	Anti-Blocking Additive
RE310	UV Reducer	CARE118	UV Satin Paste
		NB80	UV Adhesion Promoter

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

The following is a list of screen printed samples available.

UV Curable Screen Ink: CARDUV

Special Effects Color Card: CARDSPL

Non-Metallic Pantone® Simulations sheet: LIT0121

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



PowerPrint® Banner 1900 UV Screen Ink



PowerPrint® Banner 1900 UV Screen Ink has been formulated to excel in performance for indoor and outdoor Point of Purchase display and banner printing. PowerPrint® Banner 1900 features: low UV output required for curing, good flexibility, and extremely high block resistance.

Substrates:

Vinyl banner, treated polyethylene banner, most static cling, pressure sensitive vinyl and styrene

The surface tension for polyethylene substrates should be at or above 44 dynes/cm

End Uses:

Indoor and outdoor banner and POP applications.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

MTR T7 Standard / Dense Halftone Colors (Medium Tack Rheology)

19140	Halftone Extender Base (MTR)
19141	Halftone Cyan (MTR)
19143	Halftone Yellow (MTR)
19144	Halftone Black (MTR)
19146	Halftone Magenta (MTR)
19151	Halftone Cyan Dense (MTR)
19153	Halftone Yellow Dense (MTR)
19154	Halftone Black Dense (MTR)

MTR Standard / Dense Halftone Colors (Medium Tack Rheology)

19142	Halftone Magenta (MTR)
19152	Halftone Magenta Dense (MTR)
19156	Halftone High Intensity Black (MTR)

Standard Printing Colors

1910	Primrose Yellow
1911	Lemon Yellow
1912	Medium Yellow
1913	Emerald Green
1919	Fire Red
1920	Brilliant Orange
1926	Mixing Clear
1927	Overprint Clear
1950	Barrier White
1952	Super Opaque Black
1975	Super Opaque White
1978	High Intensity White
1979	High Intensity Black

Pantone Matching System® Base Colors



19358	Tinting White
19359	Tinting Black
19360	Orange
19361	Yellow
19362	Warm Red
19363	Rubine Red
19364	Rhodamine Red
19365	Purple
19366	Violet
19367	Reflex Blue
19368	Process Blue
19369	Green

Pantone® 871c - 877c Non-Metallic Simulated Colors

68880619	SPL 19 871C Pearl Gold
68880719	SPL 19 872C Pearl Gold
68880819	SPL 19 873C Pearl Gold
68880919	SPL 19 874C Pearl Gold
68881019	SPL 19 875C Pearl Gold
68881119	SPL 19 876C Pearl Gold
68881219	SPL 19 877C Pearl Silver

Additives/Reducers

RE308	UV Reducer (for flexibility)
RE310	UV Reducer
NB80	UV Adhesion Promoter

Clean-Up

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

UV Curable Screen Ink: CARDUV
Special Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

2600 UV LED Graphic Screen Ink



2600 Series LED Graphic Screen Ink is formulated to cure using a LED output source at the 395 nanometers. This ink is for point of sale / point of purchase graphic applications on a wide range of substrates used for indoor and outdoor advertising. The use of LED curing systems rather than traditional mercury vapor curing units reduces energy costs, reduces heat within the curing process, and provides significantly longer lamp life.

Substrates:

Styrene, Most rigid and flexible vinyl, Static cling vinyl, Rigid and flexible treated polyethylene, Rigid and flexible treated polypropylene, Treated fluted polypropylene, PETG, Coated paper, Coated card stock, Some acrylic
(The surface tension for polyethylene and polypropylene should be at or above 44 dynes/cm)

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Halftone Colors

26HTEX Halftone Extender Base
26HTC Halftone Cyan
26HTM Halftone Magenta
26HTY Halftone Yellow
26HTBK Halftone Black



Standard Printing Colors

2610 Primrose Yellow
2619 Fire Red
2626 Mixing Clear
2627 Overprint Clear
2678 High Intensity White
2679 High Intensity Black

Pantone Matching System® Base Colors

26358	Tinting White	26364	Rhodamine Red
26359	Tinting Black	26365	Purple
26360	Orange	26366	Violet
26361	Yellow	26367	Reflex Blue
26362	Warm Red	26368	Process Blue
26363	Rubine Red	26369	Green

Additives/Reducers

RE315 UV Reducer

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS206 Graphic Auto Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Economy 3600 Vinyl Banner UV Process Colors



The Economy 3600 Vinyl Banner Process Colors are UV screen inks specifically formulated for 4-color process printing of indoor and short term outdoor POP vinyl banner applications.

Substrates:

Vinyl banner

End Uses:

For indoor and short term outdoor POP vinyl banner applications

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Halftone Colors

36EC140 Econo HT Ext Base (MTR)
36EC141 Econo HT Cyan (MTR)
36EC142 Econo HT Magenta (MTR)
36EC143 Econo HT Yellow (MTR)
36EC144 Econo HT Black (MTR)



Dense Halftone Colors

36EC151 Econo HT Cyan Dens(MTR)
36EC152 Econo HT Mag Dense(MTR)
36EC153 Econo HT Yel Dense(MTR)
36EC154 Econo HT Blk Dense(MTR)
36EC156 Econo Hi Int HT Bk(MTR)

Additives/Reducers

RE306 UV Reducer
CARE118 UV Satin Paste

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

UV Curable Screen Ink: CARDUV

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

3900 Series UV Flexible Banner Screen Ink



3900 Series UV Flexible Banner Screen Ink has been formulated specifically for indoor and outdoor vinyl banner applications requiring an ink film flexible enough to accommodate folding, sewing, and grommeting, while being block resistant when banners are stacked ink to ink. This ink will work well for cling vinyl applications that require extreme flexibility and the intercoat adhesion properties necessary for printing double sided window decals. 3900 Series has been designed to adhere to highly plasticized vinyls.

Substrates:

Vinyl banner, static cling vinyl, low tack vinyl and other flexible vinyls

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Halftone Colors Standard/Dense

3990 Halftone Extender Base
3991 Halftone Cyan
3992 Halftone Magenta
3993 Halftone Yellow
39101 Halftone Cyan Dense
39102 Halftone Magenta Dense
39103 Halftone Yellow Dense
39104 Halftone Black Dense
39356 Halftone High Intensity Black

Standard Printing Colors

3910 Primrose Yellow
3911 Lemon Yellow
3919 Fire Red
3926 Mixing Clear
3927 Overprint Clear
3950 Barrier White
3952 Super Opaque Black
3975 Super Opaque White
3978 High Intensity White
3998 Bright White

Pantone Matching System® Base Colors

3958 Tinting White
3959 Tinting Black
3961 Yellow
3962 Warm Red
3963 Rubine Red
3964 Rhodamine Red
3965 Purple
3966 Violet
3967 Reflex Blue
3968 Process Blue
3969 Green

Additives/Reducers

RE309 UV Reducer
CARE118 UV Satin Paste

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card:

UV Color Card: CARDUV

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



4000 Series UV Screen Ink



4000 Series UV Screen Ink is a unique multi-purpose graphic screen printing ink formulated to adhere to a wide range of substrates and provide the flexibility to be suitable for heat-bending, router cutting, and low draw thermoforming for the sign and graphics markets.

Substrates:

PETG, styrene, acrylic, polycarbonate, most rigid and flexible vinyl, static cling vinyl, some anodized metal, rigid and flexible treated polyethylene, rigid and flexible treated polypropylene, and treated fluted polypropylene.

Various Acrylic materials including: Arkema: Plexiglas® G, Plexiglas® MC, Plexiglas® MCS, Plexiglas® SG, Plexiglas® T Evonik Cyro: Acrylite® FF, Acrylite® SG, Acrylite® GP Plaskolite: Optix®, Optix® LD, Duraplex

Note: Acrylic recommendations are based on internal adhesion testing under the processing outlined in this technical data sheet. Nazdar does not have control over the substrate manufacturer's process tolerance, changes to formulation, aging of material, masking material, etc. It is recommended for the user to qualify adhesion and finishing processing prior to full production.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

MTR Standard/Dense Halftone Colors

40140 Extender Base	40152 Magenta Dense
40141 Cyan	40153 Yellow Dense
40142 Magenta	40154 Black Dense
40143 Yellow	40156 High Intensity Black
40144 Black	
40151 Cyan Dense	

Standard Printing Colors

4010 Primrose Yellow
4011 Lemon Yellow
4012 Medium Yellow
4013 Emerald Green
4019 Fire Red
4020 Brilliant Orange
4026 Mixing Clear
4027 Overprint Clear
M4027 Matte Overprint Clear
4029 Premium Overprint Clear
4052 Super Opaque Black
4067 Reflex Blue
4068 Process Blue
4075 Super Opaque White
4078 High Intensity White
4079 High Intensity Black

Barrier Colors

4050 Barrier White
4099 Barrier Black



Pantone Matching System® Base Colors:

40358 Tinting White	40364 Rhodamine Red
40359 Tinting Black	40365 Purple
40360 Orange	40366 Violet
40361 Yellow	40367 Reflex Blue
40362 Warm Red	40368 Process Blue
40363 Rubine Red	40369 Green

Pantone® 871c - 877c Metallic Simulated Colors

6002752640 SPL 40 871C Pearl Gold
6002752740 SPL 40 872C Pearl Gold
6002752840 SPL 40 873C Pearl Gold
6002752940 SPL 40 874C Pearl Gold
6002753040 SPL 40 875C Pearl Gold
6002753140 SPL 40 876C Pearl Gold
6002753240 SPL 40 877C Pearl Silver

Additives/Reducer

NB80 UV Adhesion Promoter	RE315 UV Reducer
CARE58 Rigid Fast Thinner	CARE63 Anti-Blocking Additive

Clean-Up

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

UV Curable Screen Ink: CARDUV
Special Effects Color Card: CARDSPLE

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

4200 Series UV Screen Ink



Nazdar's 4200 Series UV Screen Ink incorporates the newest formulation technology to optimize cure speed, adhesion range, ink film flexibility, print speed, and image quality. 4200 Series represents a breakthrough in providing a competitive, high quality ink that withstands some of the toughest finishing and shipping requirements in the graphics market.

Nazdar's 4200 Series UV Screen Ink has been formulated for indoor and short-term outdoor performance on a wide range of substrates including styrene, coated paper and corrugated polypropylene substrates.

Substrates:

Coated paper/board, styrene, treated fluted polypropylene, treated polyester, most rigid and flexible vinyl, static cling vinyl, most rigid and flexible treated polyethylene, most rigid and flexible treated polypropylene

Note: The surface tension for polyethylene and polypropylene substrates should be at or above 44 dynes/cm.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

MTR T7 Standard / Dense Halftone Colors (Medium Tack Rheology)

42140	Halftone Extender Base
42141	Halftone Cyan
42EC143	Economy Halftone Yellow
42146	Halftone Magenta
42144	Halftone Black
42151	Halftone Cyan Dense
42EC153	Economy Halftone Yellow Dense
42154	Halftone Black Dense

Economy MTR Standard / Dense Halftone Colors

42EC142	Economy Halftone Magenta
42EC152	Economy Halftone Magenta Dense

Standard Printing Colors

4210	Primrose Yellow	4227	Overprint Clear
4211	Lemon Yellow	4252	Super Opaque Black
4212	Medium Yellow	4267	Reflex Blue
4213	Emerald Green	4268	Process Blue
4219	Fire Red	4275	Super Opaque White
4220	Brilliant Orange	4278	High Intensity White
4221	Peacock Blue	4279	High Intensity Black
4226	Mixing Clear		

Pantone Matching System® Base Colors

42358	Tinting White	42364	Rhodamine Red
42359	Tinting Black	42365	Purple
42360	Orange	42366	Violet
42361	Yellow	42367	Reflex Blue
42362	Warm Red	42368	Process Blue
42363	Rubine Red	42369	Green

Economy Mixing Colors:

42EC360	Economy Orange
42EC362	Economy Warm Red



MTR Standard/Dense Halftone Colors (Medium Tack Rheology)

42142	Halftone Magenta
42143	Halftone Yellow
42152	Halftone Magenta Dense
42153	Halftone Yellow Dense

LTR Standard/Dense Halftone Colors (Low Tack Rheology)

42120	Halftone Extender Base
42121	Halftone Cyan
42124	Halftone Black
42131	Halftone Cyan Dense
42132	Halftone Magenta Dense
42133	Halftone Yellow Dense
42134	Halftone Black Dense

Pantone® 871c - 877c

Non-Metallic Simulated Colors

6002751942	SPL 42 871C Pearl Gold
6002752042	SPL 42 872C Pearl Gold
6002752142	SPL 42 873C Pearl Gold
6002752242	SPL 42 874C Pearl Gold
6002752342	SPL 42 875C Pearl Gold
6002752442	SPL 42 876C Pearl Gold
6002752542	SPL 42 877C Pearl Silver

Additives/Reducers

RE312	UV Reducer IMS203 Economy Graphic Screen Wash
NB80	UV Adhesion Promoter

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card:

UV Color Card: CARDUV
Special Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

5500 Series Flat Poster Screen Ink



5500 Series Flat Poster Screen Ink is a flat finish solvent-based ink formulated for printing on paper and card stock. 5500 Series is cost-effective and for short term POP displays, posters, serigraphs applications.

Substrates:

Coated and uncoated paper and card stock.

End Uses:

Cost-effective, short term POP displays, posters, serigraphs.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

55LF01	Primrose Yellow
55LF02	Lemon Yellow
55LF04	Sign Red
5508	Radiant Ultra Blue
5509	Midnite Blue
5511	Jet Black
5512	Opaque White
55LF14	Emerald Green
5515	Cobalt Blue
55LF16	Dark Green
55LF18	Medium Yellow
55LF20	Fire Red
5521	Rich Brown
55LF25	Cyanine Green
5526	Maroon
5530	Transparent Orange
55LF33	Brilliant Light Orange
5536	Extender Base
55LF44	Scarlet Red
5546	Carmine Red
5547	Dark Royal Purple
5554	Dark Peacock Blue
5557	Raw Umber
5561	Brilliant Pale Gold
5570	Bronze Liquid

Fluorescent Colors

5592	Mint Green
5594	Citron Yellow
5595	Poppy Red
5596	Golden Yellow
5597	Coral Pink
5598	Tropical Orange
5599	Galaxy Blue

Additives

5500	Thinner
5549	Binder Varnish
5560	Fast Thinner
9050	Retarder Thinner

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Refer to 5500 Series Online Color Chart
Special Effects Color Card: CARDSPL

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a leadcontaining color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



7200 Series SV Lacquer Screen Ink



7200 Series SV Lacquer Screen Inks have been formulated to exhibit the best features of several Nazdar lacquer formulations. 7200 Series offers clean, bright colors for printing POP displays, signs and book covers. All standard colors are lead-free.

Substrates:

Coated paper and card stocks, polyolefins, some synthetic paper stocks, foils, wood, Tyvek® and some coated metals

End Uses:

POP displays, signs, and book covers.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

7210 Primrose Yellow
7211 Lemon Yellow
7212 Medium Yellow
7219 Fire Red
7220 Brilliant Orange
7221 Peacock Blue
7222 Ultra Blue
7227 Mixing/Overprint Clear
7252 Super Opaque Black
7275 Super Opaque White

Pantone Matching System® Base Colors

7258 Tinting White
7259 Tinting Black
7260 Orange
7261 Yellow
7262 Warm Red
7263 Rubine Red
7264 Rhodamine Red
7265 Purple
7266 Violet
7267 Reflex Blue
7268 Process Blue
7269 Green

Additives/Reducers

7248 Flattening Paste
RE181 Retarder
RE185 Thinner

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

Color Card Conventional: CARD375
Special Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



7900 Series Corogloss Screen Ink



7900 Series Corogloss is a solvent-based screen ink formulated for transportation graphics, real estate signs, POP, and other outdoor signage applications.

Substrates:

Treated polypropylene and treated polypropylene corrugated plastic with substrates having a minimum surface treatment level of 45 dynes per cm.

End Uses:

Transportation graphics, real-estate, POP and other outdoor signage.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

79LF10	Primrose Yellow
79LF11	Lemon Yellow
79LF12	Medium Yellow
79LF13	Emerald Green
79LF18	Scarlet Red
79LF20	Brilliant Orange
7919	Fire Red
7921	Peacock Blue
7922	Ultra Blue
7927	Mixing/Overprint Clear
7945	Forest Green
7952	Opaque Black
7975	Super Opaque White

Printing Colors

7955	Brilliant Blue
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Single Pigment Toners

7983	Magenta Toner
7984	Maroon Toner
7985	Green Toner
7988	Violet Toner

Pantone Matching System® Base Colors

7958	Tinting White
7959	Tinting Black
7960	Orange
7961	Yellow
7962	Warm Red
7963	Rubine Red
7964	Rhodamine Red
7965	Purple
7966	Violet
7967	Reflex Blue
7968	Process Blue
7969	Green

Additives/Reducers

5560	Fast Thinner (not available in quarts)
9050	Retarder Thinner* (not available in quarts)



Cleaners

IMS201	Premium Graphic Screen Wash
MS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card Conventional: CARD375
Special Effects Color Card: CARDSPL

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a leadcontaining color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

9700 Series All Purpose Screen Ink



9700 Series All Purpose Screen Ink is a high gloss, solvent-based screen ink formulated to perform on a wide variety of substrates, such as paper, card stock, polystyrene, vinyl, Tyvek®, coated polyester, rigid vinyl, acrylic and many synthetic paper stocks. 9700 Series is for indoor and outdoor POP advertising and display applications.

Substrates:

Styrene, coated paper and card stock, rigid vinyl, synthetic stocks and plastics

End Uses:

Indoor and outdoor POP advertising and display applications requiring two to three years durability

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

97LF10	Primrose Yellow
97LF11	Lemon Yellow
97LF12	Medium Yellow
97LF13	Emerald Green
9719	Fire Red
97LF20	Brilliant Orange
9721	Peacock Blue
9722	Ultra Blue
9724	Black
9727	Mixing/Overprint Clear
9775	Super Opaque White
9780	Yellow Toner
9781	Orange Toner
9782	Carmine Toner
9783	Magenta Toner
9784	Maroon Toner
97LF18	Scarlet Red
97PB18	Transparent Red
9785	Green Toner
9786	Blue Toner (GS)
9787	Blue Toner (RS)
9788	Violet Toner
9789	Red Toner
97PB12	Trans Medium Yellow
97PB60	Stop Sign Red

Pantone Matching System® Base Colors

9758	Tinting White
9759	Tinting Black
9760	Orange
9761	Yellow
9762	Warm Red
9763	Rubine Red
9764	Rhodamine Red
9765	Purple
9766	Violet
9767	Reflex Blue
9768	Process Blue
9769	Green



Halftone Colors

97HTEX	Halftone Extender Base
97HTB	Halftone Blue
97HTBK	Halftone Black
97HTR	Halftone Red
97HTY	Halftone Yellow

Additives/Extenders/Reducers

9731	Retarder
9748	Flattening Paste
NB72	Catalyst
NB80	Adhesion Promoter
RE180	Thinner
RE185	Fast Thinner

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card Conventional: CARD375

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a leadcontaining color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

4700 Series Water-Based Screen Ink



4700 Series water-based ink is an all purpose screen ink that produces a glossy ink film, offers good weather resistance and is flexible enough for vacuum forming. 4700 Series replaces the Nazdar 2700 Series.

Substrates:

Coated Paper, Cardboard, Pressure Sensitive Vinyl, Static Cling, Some Polycarbonate, Styrene, Some Coated Metals

Product Range:

Standard ink items listed below are inventoried in 1-kilogram containers. Some colors are available in gallon containers.

Standard Printing Colors

4710	Primrose Yellow
4711	Lemon Yellow
4712	Medium Yellow
4713	Emerald Green
4719	Fire Red
4720	Brilliant Orange
4721	Peacock Blue
4722	Ultra Blue
4724	Black
4727	Mixing/Overprint Clear
4775	Super Opaque White
4782	Carmine Toner
4783	Magenta Toner
4785	Green Toner
4786	Blue Toner (GS)
4787	Blue Toner (RS)
4788	Violet Toner

Additives/Extenders/Thinners

4748	Flattening Paste
2732	Thinner
RE192	Retarder
AQ58	Aquacat
47HTEX	Extender Base

Cleaners

2537	Screen Wash
2738	Heavy Duty Screen Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



DECAL
NAZDAR SCREEN PRINTING INKS

Nazdar.com

Decal Inks

2800 Series UV-LED Decal Screen Ink



2800 Series LED Decal Screen Ink is formulated to cure using a LED output source at 395 nanometers. This ink series is intended for decals used in the Durable Graphic Market. 2800 Series exhibits excellent chemical resistance and exterior durability. These inks will thermal die cut and accept pre-mask.

The use of LED curing systems rather than traditional mercury vapor curing units reduces energy costs, reduces heat within the curing process and provides significantly longer lamp life.

Substrates:

- Pressure-sensitive calendered vinyls
- Pressure-sensitive cast vinyls
(for extended outdoor weathering)
- Print treated polyesters

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Halftone Colors

2810	LED Primrose Yellow
2811	LED Lemon Yellow
2812	LED Medium Yellow
2819	LED Fire Red
2821	LED Peacock Blue
28120	Halftone Extender Base (LTR)
28131	Halftone Cyan (LTR)
28132	Halftone Magenta (LTR)
28133	Halftone Yellow (LTR)
28134	Halftone Black (LTR)
28140	Halftone Extender Base (MTR)
28151	Halftone Dense Cyan (MTR)
28152	Halftone Dense Magenta (MTR)
28153	Halftone Dense Yellow (MTR)
28154	Halftone Dense Black (MTR)

Standard Printing Colors

2827	Label Overprint Clear
2829	Durable Overprint Clear
2836	Metallic Mixing Clear
2852	Super Opaque Black
2875	Super Opaque White
28178	High Intensity White
28179	High Intensity Black

Standard Mixing Colors

2858	Tinting White
2859	Tinting Black
2861	Yellow
2862	Warm Red
2863	Rubine Red
2864	Rhodamine Red
2865	Purple

2866	Violet
2867	Reflex Blue
2868	Process Blue
2869	Green
2880	Yellow Toner
2881	Permanent Orange
2889	Red Toner
28159	Trans Orange Toner
28160	Trans Red Toner (YS)
28161	Primrose Toner
28162	Yellow Toner (GS)
28163	Yellow Toner (RS)
28164	Medium Yellow
28165	Permanent Orange Toner
28166	Red Toner
28167	Deep Red Toner
28168	Carmine Toner
28169	Magenta Toner
28170	Maroon Toner
28171	Violet Toner
28172	Green Toner (YS)
28173	Green Toner (BS)
28174	Blue Toner (GS)
28175	Blue Toner (RS)

Additives/Reducers

RE306	UV Reducer
RE308	UV Reducer

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



3500 Series UV Durable Graphic Screen Ink



3500 Series UV Screen Ink has been formulated for use on premium pressure sensitive vinyl films intended for exterior applications. It exhibits superior flexibility and elongation, allowing for stretching the printed vinyl film over rivets for fleet graphic applications. The 3500 Series has excellent weatherability and chemical resistance, and may be used on decals that will be thermal diecut and pre-masked.

Substrates:

Premium pressure sensitive vinyls.

End Uses:

Highly flexible and durable pressure sensitive decals for Fleet and Original Equipment Manufacture (OEM).

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard MTR Halftone Colors

35HTEX	Halftone Extender Base
35HTC	Halftone Cyan
35HTM	Halftone Magenta
35HTY	Halftone Yellow
35HTBK	Halftone Black

Standard Printing Colors

3511	Lemon Yellow
3519	Fire Red
3526	Mixing Clear
3529	Overprint Clear
3539	Premium Overprint Clear
3567	Reflex Blue
3568	Process Blue
35176	Super Opaque White
35177	Super Opaque Black
35178	High Intensity White
35179	High Intensity Black

Standard Blending Toners

35159	Trans Orange
35160	Trans YS Red
35161	Primrose
35162	Yellow (GS)
35163	Yellow (RS)
35164	Medium Yellow
35165	Permanent Orange
35166	Red (YS)
35167	Deep Red
35168	Carmine
35169	Magenta
35170	Maroon
35171	Violet
35172	Green (YS)
35173	Green (BS)
35174	Blue (GS)

35175	Blue (RS)
3558	Tinting White
3559	Tinting Black
3536	Metallic Mixing Clear
3533	Permanent Yellow (RS)
3543	Permanent Red
3558	Tinting White
3559	Tinting Black



Pantone® 871c - 877c:

66492135	PMS 871C Pearl Gold
66493235	PMS 872C Pearl Gold
66493335	PMS 873C Pearl Gold
66493435	PMS 874C Pearl Gold
66493535	PMS 875C Pearl Gold
66493635	PMS 876C Pearl Gold
67052535	PMS 877C Pearl Silver

Clears

6003247435	SPL 3500 Flat 10 OP Clear
6003247635	SPL 3500 Matte 10-25 OP Clear
6003247735	SPL 3500 Satin 25-50 OP Clear

Reducer

RE305 UV Reducer

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card 3500: CARD35

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

3600 Series UV Decal Screen Ink



3600 Series UV Screen Ink has been formulated for applications on pressure-sensitive decals requiring exceptional performance. 3600 UV Decal Series exhibits excellent exterior durability and chemical resistance. The inks will thermal die-cut and accept pre-mask.

Substrates:

Pressure-sensitive vinyls and print treated polyesters.

End Uses:

For most decal applications in the OEM, product identification, and consumer markets.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

3610 Primrose Yellow
3611 Lemon Yellow
3612 Medium Yellow
3619 Fire Red
3621 Peacock Blue
3627 Overprint Clear
3652 Super Opaque Black
3675 Super Opaque White
3678 High Intensity White
3679 High Intensity Black
3698 Bright White

Pantone Matching System[®] Base Colors

3626 Mixing Clear
3658 Tinting White
3659 Tinting Black
3661 Yellow
3662 Warm Red
3663 Rubine Red
3664 Rhodamine Red
3665 Purple
3666 Violet
3667 Reflex Blue
3668 Process Blue
3669 Green

Blending Toners

3680 Yellow Toner
3681 Orange Toner
3682 Carmine Toner
3683 Magenta Toner
3684 Maroon Toner
3685 Green Toner
3686 Blue Toner (GS)
3687 Blue Toner (RS)
3688 Violet Toner
3689 Red Toner

Standard MTR Halftone Colors

36HTC Halftone Cyan
36HTM Halftone Magenta
36HTY Halftone Yellow
36HTBK Halftone Black
36HTEX Halftone Extender Base



Dense MTR T7 Halftone Colors

36140 HT Extender Base G7(MTR)
36151 HT Cyan Dense G7(MTR)
36152 HT Magenta Dense G7(MTR)
36153 HT Yellow Dense G7(MTR)
36154 HT Blk Dense G7(MTR)

T7 Halftone Inks: are designed to print to the targeted values of the seven colors (CMYK & RGB) as stated in ISO 12647-2 specification for process color reproduction. These inks can meet the ISO targeted numbers and achieve a neutral 100x3 black when printed on a substrate with a white value similar to a #1 Grade Coated Paper.

Additives/Reducers

NB80 UV Adhesion Promoter
RE306 UV Reducer
RE308 UV Reducer (Flexibilizer)
CARE118 UV Satin Paste

Cleaners

MS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

UV Color Card: CARDUV

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

GV Series Gloss Vinyl Screen Ink



Formulated for printing on vinyl surfaces where a high gloss finish is required. These inks form a positive bond with most vinyl surfaces and will dry to a flexible film which may be vacuum formed. The pigments used were selected for their fade resistance under outdoor exposure.

Substrates:

Vinyls, polycarbonate, acrylic.

End Uses:

Nameplates, identification panels, vacuum formable with good exterior performance.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

GVLF103	Red	GV139	Transparent
GVLF105	Permanent Red		Majestic Yellow
GV107	Permanent Maroon	GVLF142	Emerald Green
GV110	Transparent Red	GV149	Permanent Green
GV111	Black	GV152	Light Blue
GV112	White	GV157	Royal Blue
GV122	Opaque White	GV159	Permanent Blue
GVLF124	Orange	GV162	Purple
GVLF130	Primrose Yellow	GV164	Cerise
GVLF132	Lemon Yellow	GV170	Clear Gloss
GVLF134	Medium Yellow	GV173	Clear Gloss Exterior

Metallic Colors

GV185	Brilliant Pale Gold
GV187	Silver

Additives/Reducers

VF178	Sharp Printing Compound
VF180	Fast Thinner
VF182	Retarder

Cleaners

IMS201	Premium Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card GV: CARDGV shows the Standard printing Colors.

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



VF Series Flat Vinyl Screen Ink



VF Series inks are formulated to have excellent adhesion to both rigid and flexible vinyl's and some vinyl coated materials. The inks have excellent printability, opacity, fast drying and non - blocking characteristics. VF is recommended only for interior applications

All colors except VF111 Black may be heat sealed. VF121 Non Arcing Black is used for heat sealing.

Substrates:

Flexible vinyl and some vinyl coated materials.

End Uses:

Binders, shower curtains, vinyl banners and static cling vinyl.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

VFLF103	Brilliant Red	VF156	Brilliant Ultra Blue
VFLF104	Bright Red	VF159	Permanent Blue
VF106	Carmine Red	VF162	Purple
VF111	Black	VF164	Cerise
VF112	White	VF170	Clear
VF114	Brown	VF410	Yellow
VF121	Non Arcing Black	VF411	Warm Red
VF122	Opaque White	VF417	Rubine Red
VFLF124	Orange	VF422	Reflex Blue
VFLF130	Primrose Yellow	VF433	Purple
VFLF132	Lemon Yellow	VF440	Process Blue
VFLF134	Medium Yellow	VF170	Clear
VFLF146	Cyanine Green	VF175	Extender Clear
VF152	Light Blue		

Thinners/Additives/Extenders

VF178	Sharp Printing Compound	VF192	Retarder
VF190	Fast Thinner		

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Refer to VF Series Online Color Chart

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



S2 Series Systems-2 Gloss Vinyl Screen Ink



System-2 Series ink is a high gloss, solvent-based screen ink formulated for optimum performance on pressure-sensitive vinyls and top coated polyesters used for decal applications.

Substrates:

Pressure-sensitive vinyl and print-treated polyester.

End Uses:

Pressure-sensitive decals recommended for exterior exposure.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

S2LF11	Lemon Yellow
S2LF12	Medium Yellow
S2LF20	Brilliant Orange
S222	Ultra Blue
S219	Fire Red
S224	Black
S227	Overprint Clear
S250	Barrier White
S275	Super Opaque White
223900RP	2-Part Overprint Clear



Pantone Matching System® Base Colors

S226	Mixing Clear
S258	Tinting White
S259	Tinting Black
S260	Orange
S261	Yellow
S262	Warm Red
S263	Rubine Red
S264	Rhodamine Red
S265	Purple
S266	Violet
S267	Reflex Blue
S268	Process Blue
S269	Green

Halftone Colors

S2HTEX	Halftone Extender Base
S2HTB	Halftone Blue
S2HTR	Halftone Red
S2HTY	Halftone Yellow
S2HTBK	Halftone Black

Additives/Reducers

S248	Flatting Paste
S230	Thinner
S231	Retarder
CARE53	Gel Retarder (quarts)

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card Conventional: CARD375

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



METAL DECORATING

NAZDAR SCREEN PRINTING INKS

Metal Decorating Inks

59000 Series Enamel Plus Gloss Screen Ink

59000 Series Enamel Plus Gloss Screen Ink is a solvent-based enamel ink formulated to screen print on a wide range of hard-to-adhere-to surfaces such as glass, metal, wood and some plastics for outdoor signs and displays.

Substrates:

Glass, metal, wood and some hard plastics.

End Uses:

Outdoor signs and displays.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

59LF102 Fire Red
59106 Scarlet Red
59111 Black
59112 White
59114 Medium Brown
59120 Base
59122 Super Opaque White
59LF124 Brilliant Orange
59LF130 Primrose Yellow
59LF132 Lemon Yellow
59LF134 Medium Yellow
59135 Gloss Coating Varnish
59140 Overprint Clear
59LF142 Emerald Green
59LF148 Medium Green
59152 Peacock Blue
59156 Ultra Blue
59158 Dark Blue
59172 Flat Coating Varnish
59191 Flat Black
59192 Flat White
59204 Bright Red
59234 Medium Yellow
59410 Yellow
59411 Warm Red
59417 Rubine Red
59418 Rhodamine Red
59422 Reflex Blue
59433 Purple
59440 Process Blue
59441 Green
59660 Stop Sign Red



Transparent Colors:

59610 Trans Primrose Yellow
59612 Trans Medium Yellow
59613 Trans Green
59618 Trans Red
59620 Trans Orange
59622 Trans Blue
59628 Trans Gold
59633 Trans Purple

Additives/Reducers

59000 Thinning Varnish
59118 Flatting Paste
5560 Fast Thinner
9050 Retarder

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

Color Card 59000: CARD59

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



8900 Series SuperSet Thermo-Set Screen Ink



8900 Series SuperSet Thermo-Set Screen Ink is a high solids, high gloss solvent-based screen ink. A single component, cross linked product, 8900 Series is formulated for printing on pre-coated metal surfaces. Properly cured, 8900 Series exhibits excellent resistance to many solvents, chemicals, humidity and abrasion. 8900 Series is designed to provide maximum flexibility and intercoat adhesion.

Substrates:

Pre-coated metal substrates; coatings include enamel, polyester, acrylic, vinyl and epoxy.

End Uses:

Exterior signage, nameplates and POP display advertising.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

89LF10	Primrose Yellow
89LF11	Lemon Yellow
89LF12	Medium Yellow
89LF13	Emerald Green
89LF18	Scarlet Red
89LF19	Fire Red
89LF20	Brilliant Orange
8921	Peacock Blue
8922	Ultra Blue
8924	Black
8925	White
8926	Mixing Clear
8927	Overprint Clear
8975	Super Opaque White
8989	Red Toner
89410	Yellow
89411	Warm Red
89417	Rubine Red
89418	Rhodamine Red
89422	Reflex Blue
89433	Purple
89440	Process Blue
89441	Green

Halftone Colors

89400	Halftone Extender Base
89401	Halftone Cyan Dense
89402	Halftone Magenta Dense
89403	Halftone Yellow Dense
89404	Halftone Black Dense

Additives/Thinners

9050	Retarder Thinner
8948	Flatting Paste



Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Was

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



CONTAINER/AD SPECIALTY

NAZDAR SCREEN PRINTING INKS

Container/ Ad Specialty Inks

2300 Series UV/UV-LED Screen Ink



The 2300 Series UV / UV-LED Screen Ink has been formulated to cure with UV-LED with peak wavelength emission of 395 nanometers and more traditional UV mercury vapor curing system. The ink is designed for printing on various glass and plastic bottles used in the packaging of cosmetics, household chemicals and other similar applications. The ink has been formulated to meet the processing requirements of the container printing industry, such as adhesion to commonly used plastics, opacity, resistance to commonly used chemicals, and speed of cure.

Primary Substrates:

Glass, Treated high density polyethylene (HDPE) and Polyethylene terephthalate (PET)

Additional Substrates

Treated low density polyethylene (LDPE), Treated polypropylene (PP)

The surface tension should be at or above 44 dynes/cm.

Substrate recommendations are based on commonly available materials intended for the ink's specific market when the inks are processed according to this technical data. 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. Reference the 'Quality Statement' at the end of this document.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

- 2310 Primrose Yellow
- 2312 Medium Yellow
- 2319 Fire Red
- 2326 Mixing Clear
- 2327 Overprint Clear
- 2378 High Intensity White
- 2379 High Intensity Black
- 2376 HB High Intensity White
- 2377 HB High Intensity Black
- 2398 Bright White

Pantone Matching System® Base Colors

- 23358 Tinting White
- 23359 Tinting Black
- 23360 Orange
- 23361 Yellow
- 23362 Warm Red
- 23363 Rubine Red
- 23364 Phodamine Red
- 23365 Purple
- 23366 Violet
- 23367 Reflex Blue
- 23368 Process Blue
- 23369 Green

Halftone Printing Colors

- 2390 Halftone Extender Base
- 2391 Halftone Cyan
- 2392 Halftone Magenta
- 2393 Halftone Yellow
- 2394 Halftone Black

Additives/Reducers

- CARE69 UV Hardener
- CARE106 UV Catalyst / Charger
- NB23 Catalyst
- NB26 Glass Catalyst
- NB27 Glass Catalyst
- RE310 UV Reducer
- SIP1414 Thickener

Clean-Up

- IMS203 Economy Graphic Screen Wash
- IMS301 Premium Graphic Press Wash

Color Card

UV Color Card: CARDUV

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.





4300 Series UV Container Screen Ink

4300 Series UV screen ink is designed for high speed printing of plastic containers. 4300 Series inks exhibit excellent adhesion, as well as superior resistance to water, solvents, chemicals and other products typically packaged in plastic containers.

Substrates:

Core Substrates

- HDPE: treated high density polyethylene
- LDPE: treated low density polyethylene
- PP: treated polypropylene

The surface tension should be at or above 44 dynes/cm.

Additional Substrates

- PET
- PVC: vinyl
- Styrene
- PC: polycarbonate

Product Range:

Standard ink items listed below are inventoried in gallon containers. HB = heavy body

Standard Printing Colors

- 4310 Primrose Yellow
- 4311 Lemon Yellow
- 4312 Medium Yellow
- 4319 Fire Red
- 4320 Brilliant Orange
- 4326 Mixing Clear
- 4350 Barrier White
- 4352 Super Opaque Black
- 4375 Super Opaque White
- 4376 HB High Intensity White
- 4377 HB High Intensity Black
- 4378 High Intensity White

Pantone Matching System® Base Colors

- 43358 Tinting White
- 43359 Tinting Black
- 43360 Orange
- 43361 Yellow
- 43362 Warm Red
- 43363 Rubine Red
- 43364 Rhodamine Red
- 43365 Purple
- 43366 Violet
- 43367 Reflex Blue
- 43368 Process Blue
- 43369 Green

Additives/Reducers

RE301 UV Reducer
CARE106 UV Catalyst / Charger



Clean-Up

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

5100 Series SV Screen Ink



5100 Series SV Screen Ink is a solvent-based ink system for container printing which exhibits adhesion to various plastics, glass and some metals. 5100 Series has excellent resistance to a wide range of solvents and chemicals used in cosmetics, personal care and household cleaning. As a high gloss, fast drying, single part system, 5100 Series shows good adhesion immediately upon drying, while final properties will be achieved in 5-7 days.

Substrates:

Treated polyethylene and polypropylene, glass and some metals

Note: Due to variations in the type and manufacture of plastics, glass and metals, pre-testing must be done prior to any production run. Adhesion to the substrate does not guarantee satisfactory results with other end-use specifications.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

- 5110 Primrose Yellow
- 5112 Medium Yellow
- 5119 Fire Red
- 5120 Brilliant Orange
- 5126 Mixing Clear
- 5152 Super Opaque Black
- 5175 Super Opaque White

Pantone Matching System® Base Colors

- 51358 Tinting White
- 51359 Tinting Black
- 51360 Orange
- 51361 Yellow
- 51362 Warm Red
- 51363 Rubine Red
- 51364 Rhodamine Red
- 51365 Purple
- 51366 Violet
- 51367 Reflex Blue
- 51368 Process Blue
- 51369 Green

Single Pigment Toners

- 5182 Carmine Toner
- 5183 Magenta Toner
- 5184 Maroon Toner
- 5185 Green Toner
- 5186 Blue Toner (GS)
- 5187 Blue Toner (RS)
- 5188 Violet Toner

Metallic Effect Colors Colors

- 51185 Gold
- 51187 Silver



Additives

- RE212 Thinner (liters only)
- RE185 Thinner
- CARE22 Flow Agent
- CARE53 Gel Retarder
- SIPI414 Thickening Powder (pounds only)
- V5070 Catalyst (liters only)

Clean-Up

- IMS201 Premium Graphic Screen Wash
- IMS203 Economy Graphic Screen Wash
- IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



PA Series Poly-All Screen Ink

PA Series Poly-All Screen Ink has been designed specifically for screen printing on untreated polypropylene. Its unique formulation makes pretreatment such as flaming or surface coating unnecessary. Poly-All will perform satisfactorily on most polypropylene surface. However, since there is considerable variation in the formulation of substrate materials, the user must always pretest the specific substrate for adhesion and product resistance prior to a production run. PA Series inks exhibit a semi-gloss finish. When thoroughly dried, PA Series ink has very good flexibility and durability. Poly-All has proven successful in some pad printing applications.

Substrates:

Untreated polypropylene.

End Uses:

Containers, mugs, cups, specialty ad products.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

PA01	Clear
PA10	White
PA11	Extra Opaque White
PA21	Yellow
PA26	Orange
PA30	Emerald Green
PA43	Royal Blue
PA46	Permanent Blue
PA49	Purple
PA52	Bright Red
PA53	Deep Red
PA54	Maroon
PA60	Brown
PA70	Black
PA700	Opaque Orange
PA701	Opaque Yellow
PA703	Opaque Red

Mixing Colors

PA310	Green
PA440	Process Blue
PA450	Reflex Blue
PA500	Warm Red
PA510	Rubine Red
PA570	Rhodamine Red
PA580	Magenta

Additives/Reducers

PA7	Thinner
PA8	Retarder
FP460	Flow Promoter
132661PA	Polyall Adhesion Promoter
136579PA	Polyall Wiping Solution

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card Poly-All: CARDPA

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



NAMEPLATE
NAZDAR SCREEN PRINTING INKS

Nameplate Inks



2400 Series UV-LED Screen Ink

The 2400 Series UV-LED Screen Ink has been formulated to cure with a LED curing system with wavelength emission of 395 nanometers and minimum wattage output of 4 watts. The ink is designed for second surface printing on polycarbonate and polyester used as membrane overlays where the lamination of pressure sensitive adhesive directly to the ink film may be necessary. The ink has been formulated to meet the processing requirements of membrane overlay applications such as compatibility with most acrylic adhesives, flexibility for embossing, opacity, ink to ink adhesion and speed of cure.

Substrates:

Polycarbonate and some top coated polyester
(UV ink receptive primer)

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

**These colors are not recommended in applications that require high heat during processing.*

Standard Printing Colors

2410	Primrose Yellow
2419	Fire Red
2426	Mixing Clear
2478	High Intensity White
2479	High Intensity Black
2496	Jet Black
2498	Bright White

Pantone Matching System® Base Colors

24358	Tinting White
24359	Tinting Black
24360	Orange
24361	Yellow
24362	Warm Red
24363	Rubine Red
24364	Rhodamine Red
24365	Purple
24366	Violet
24367	Reflex Blue
24368	Process Blue
24369	Green



Additives/Reducers

RE310	UV Reducer
NB80	UV Adhesion Promoter

Cleaners

IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

UV Color Card: CARDUV

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

3400 Series UV Nameplate Screen Ink



The 3400 Series Nameplate UV Screen Ink has been formulated to meet the processing requirements of the membrane overlay market; including compatibility with most standard transfer adhesives, flexibility, opacity, ink to ink adhesion, and speed of cure. The 3400 Series is designed for second surface printing on polycarbonate and polyester used as membrane overlays where the lamination of pressure sensitive adhesive directly to the ink film may be necessary.

The 3400 Series with the addition of 5% by weight NB80 UV Adhesion Promoter may also be printed over HP Indigo® digital offset prints.

Substrates:

Polycarbonate, some top coated polyester (UV ink receptive primer).

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

3411	Lemon Yellow	3479	High Intensity Black
3419	Fire Red	3496	Jet Black
3420	Orange	3498	Bright White
3426	Mixing Clear	3499	Black Concentrate
3477	Super Opaque Black	34PB24	Deadfront Black
3478	High Intensity White		

Pantone Matching System® Base Colors

3458	Tinting White	3465	Purple
3459	Tinting Black	3466	Violet
3461	Yellow*	3467	Reflex Blue
3462	Warm Red*	3468	Process Blue
3463	Rubine Red	3469	Green
3464	Rhodamine Red		

Toners

3480	Yellow Toner (GS)	3487	Blue Toner (RS)
3481	Orange Toner	3488	Violet Toner
3482	Carmine Toner	3489	Red Toner
3483	Magenta Toner	34PB12	Medium Yellow (RS)
3484	Maroon Toner	34PB18	Red (BS)
3485	Green Toner	34PB24	Dead Front Black
3486	Blue Toner (GS)	34PB60	Red (YS)

Halftone Colors

3490	Halftone Extender Base
34101	Halftone Cyan Dense
34102	Halftone Magenta Dense
34103	Halftone Yellow Dense
34104	Halftone Black Dense

NSC Lens Clear:

NSC43** Clear

NSC Crystal Clear Transparent Colors (in kilograms only)

NSC29**	UV C Mixing Clear	NSC35**	UV CC Violet
NSC30**	UV CC Yellow (GS)	NSC36**	UV CC Blue (GS)
NSC31**	UV CC Yellow (RS)	NSC37**	UV CC Blue (RS)
NSC32N**	UV CC Red (BS)	NSC38**	UV CC Green
NSC33**	UV CC Red (YS)	NSC39**	UV CC Black
NSC34**	UV CC Magenta		

Clears for Selective Texturing**

NSC40**	UV Air Tex Clear Fine	NSC49**	UV Air Tex Coarse
NSC41**	UV Air Tex Clear	NSC50**	UV Air Tex Very Coarse
NSC43**	Lens Clear	NSC51**	UV Air Tex Clear
NSC47**	UV Air Tex Very Fine	NSC52**	UV Air Tex Clear
NSC48**	UV Air Tex Medium		

Pantone® 871c - 877c Metallic Simulated Colors

67327234	Spl 34 871c Pearl Gold	67327634	Spl 34 875c Pearl Gold
67327334	Spl 34 872c Pearl Gold	67327734	Spl 34 876c Pearl Gold
67327434	Spl 34 873c Pearl Gold	67327834	Spl 34 877c Pearl Silver
67327534	Spl 34 874c Pearl Gold		

Additives/Reducers

RE304	UV Reducer	NB80	UV Adhesion Promoter
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Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card 3400: CARD34

NSC UV Air Texture Clears Color Card: LIT0217

**Not recommended for high heat processing.*

*** Refer to the Technical Data Sheet for detailed information on these inks. These clears are for first or top surface printing only.*

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



NSC UV Crystal Clear Transparent Inks



NSC UV Crystal Clear Transparent Screen Ink has been formulated to print on polycarbonate and some pre-treated polyester substrates commonly used as membrane overlays. These inks exhibit excellent clarity with very little haze, making them ideal for use as transparent window colors.

NSC UV Crystal Clear Transparent inks may be printed top or sub surface.

Substrates:

Polycarbonate and some pre-treated polyester (UV ink receptive primer).

End Uses:

For first or second surface transparent windows on polycarbonate and some pretreated polyesters used as a membrane overlay.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

NSC29	UV Crystal Mixing Clear
NSC30	UV Crystal Clear Yellow (GS)
NSC31	UV Crystal Clear Yellow (RS)
NSC32N	UV Crystal Clear Red (BS)
NSC33	UV Crystal Clear Red (YS)
NSC34	UV Crystal Clear Magenta
NSC35	UV Crystal Clear Violet
NSC36	UV Crystal Clear Blue (GS)
NSC37	UV Crystal Clear Blue (RS)
NSC38	UV Crystal Clear Green
NSC39	UV Crystal Clear Black

Additives/Reducers

CARE 65	Flow Agent
RE310	UV Reducer

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card NSC Crystal Clear: CARDCC

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NSC UV Air Texture Clear Screen Inks



UV Air Texture Screen Inks are designed to give a decorative, first surface texture effect on polycarbonate and some pre-treated polyester films used for membrane overlay applications. Textures are available from very fine to very coarse. Most of the UV Air Texture screen inks may be inter-mixed with each other to achieve a custom texture. A nitrogen atmosphere curing unit is not necessary for Nazdar UV Air Texture Screen Inks.

Substrates:

Polycarbonate and some pre-treated polyester.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

UV Air Texture Clears

NSC40	UV Air Texture Clear Fine
NSC41	UV Air Texture Clear
NSC47	UV Air Texture Clear Very Fine
NSC48	UV Air Texture Clear Medium
NSC49	UV Air Texture Clear Coarse
NSC50	UV Air Texture Clear Very Coarse
NSC51	UV Air Texture Clear

Additives/Reducers

RE301	UV Reducer
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Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

NSC UV Air Texture Clears Color Card: LIT0217

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NSC340's Durable UV-LED Air Texture Clear



NSC340s Durable UV Air Texture Clears have been specifically formulated to provide higher outdoor durability compared to Nazdar NSC40 thru NSC50 Indoor Air Texture Clears. They cure with 385-405 nm, UV-LED curing systems or with traditional mercury vapor curing. NSC340s Durable UV Air Texture Clears provide a decorative, first surface texture effect on durable polycarbonate and some pre-treated polyester films.

Substrates:

- Polycarbonate
 - Some Pre-Treated Polyesters
- (Pre-test ink adhesion on hard coated films)*

Product Range:

Contact your Nazdar distributor for product availability and offering.

Standard Ink Items:

Stock Number	Standard Textures
NSC347	UV-LED Durable Air Texture Clear Very Fine
NSC341	UV-LED Durable Air Texture Fine
NSC348	UV-LED Durable Air Texture Medium
NSC349	UV-LED Durable Air Texture Coarse
NSC350	UV-LED Durable Air Texture Very Coarse

Additives/Reducers

RE301	UV Reducer
SIP1556	Texture Matting Agent 127

Cleaners/Clean Up

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

8800 Series Color-Vue Membrane Screen Ink



8800 Series SV Screen Ink have been formulated specifically for automotive, membrane overlay and appliance decorating applications, where strong transparent colors with lens-like clarity and high opacity colors are required. The 8800 Series is compatible with most acrylic transfer adhesives.

Substrates:

Polycarbonate and some print-treated polyester.

End Uses:

Backlit panels, nomenclature and instruction panels, membrane overlays.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

88LF10	Primrose Yellow
88LF11	Lemon Yellow
88LF12	Medium Yellow
88LF13	Emerald Green
88LF20	Brilliant Orange
8819	Fire Red
8821	Peacock Blue
8822	Ultra Blue
8824	Tinting Black
8825	White
8826	Mixing Clear
8827S	Satin Overprint Clear
8852	Super Opaque Black
8875	Super Opaque White
8879	High Intensity Black

Transparent Colors

88PB10	Trans Primrose Yellow
88PB12	Trans Medium Yellow
88PB13	Trans Green
88PB18	Trans Red (BS)
88PB22	Trans Blue
88PB24	Dead Front Black
88PB60	Ruby Red

Single Pigment Toners

8881	Orange Toner
8882	Carmine Toner
8883	Magenta Toner
8884	Maroon Toner
8886	Blue Toner (GS)
8888	Violet Toner

Pantone Matching System® Base Colors

88358	Tinting White
88359	Tinting Black
88360	Orange
88361	Yellow
88362	Warm Red
88363	Rubine Red
88364	Rhodamine Red
88365	Purple
88366	Violet
88367	Reflex Blue
88368	Process Blue
88369	Green

Additives/Thinners

8848	Flatting Paste
RE180	Thinner
RE183	Retarder

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Color Card Conventional: CARD375

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



Waterbase Peelable Mask Screen Inks

60028546WB Waterbase Peelable Mask is a water-soluble, screen-printable clear for use as a temporary protective coating on polycarbonate and coated metal substrates. The dried coating can be easily peeled away from the substrate.



Substrates:

Polycarbonate and coated metal

Packaging

Nazdar manufactures this ink in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Product Range:

Contact your Nazdar distributor for product availability and offering.

Standard Printing Colors

60028546WB	Waterbase Peelable Mask (clear)
60035897WB	Waterbase Peelable Mask (frosted)

Additives/Reducers

RE180 Thinner

Cleaners

2537 Screen Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



INDUSTRIAL
NAZDAR SCREEN PRINTING INKS

Nazdar.com

Industrial Inks



ADE Series Epoxy Screen Ink

ADE Epoxy Screen Ink has been formulated with high quality epoxy resins for excellent adhesion to metals, glass and a wide range of hard-to-print substrates. ADE Series is ideal for electronic and industrial applications and provides outstanding solvent, chemical and abrasion resistance.

ADE is a two-part ink and must be initiated with a catalyst prior to use. ADE ink exhibits a high gloss finish.

ADE Series is for indoor applications only.

Substrates:

Epoxy, melamine, treated polyethylene, treated polypropylene, metals, glass, PC boards.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

*These colors are not recommended for baking temperatures over 250°F (121°C). **One gallon minimum blend.

Standard Printing Colors

ADE10	Primrose Yellow	ADE81	Orange
ADE11	Lemon Yellow**	ADE82	Carmine Red
ADE12	Medium Yellow	ADE83	Magenta
ADE15	Yellow (GS)	ADE84	Maroon
ADE16	Yellow (RS)	ADE85	Green
ADE18	Scarlett Red	ADE86	Blue (GS)
ADE19	Fire Red	ADE87	Blue (RS)
ADE20	Brilliant Orange	ADE88	Violet
ADE22	Ultra Blue**	ADE89	Red Toner
ADE26	Mixing/Met Clear	ADE90	Heavy Body Base
ADE52	Opaque Black	ADE114	Brown
ADE62	Warm Red	ADE170	Clear Gloss
ADE67	Reflex Blue	ADE405	Brilliant Blue
ADE75	Opaque White	ADE568	Permanent Magenta
ADE78	High Intensity White	ADE700	Opaque Orange
ADE80	*Process Yellow	ADE703	Opaque Red

Pantone Matching System® Base Colors

ADE358	Tinting White
ADE359	Tinting Black
ADE360	Orange
ADE361	Yellow
ADE362	Warm Red
ADE363	Rubine Red
ADE364	Rhodamine Red
ADE365	Purple
ADE366	Violet
ADE367	Reflex Blue
ADE368	Process Blue
ADE369	Green

Extenders/Additives/Reducer or Thinners

ADE677	Catalyst (available liters only)
ADE678	Glass Catalyst (available liters only)
ADE679	Snowboard Catalyst (available liters only)
CARE8	Flow Control Agent
RE182	Retarder
RE189	Slow Thinner
RE190	Thinner
ADE176	Catalyst (formerly ER176)
SIPI443	Flattening Additive

Cleaners

IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Color Card

Conventional Color Card: CARD375

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

6100 Series Fast Dry Enamel Ink



6100 Series Fast Dry Enamel Screen Ink is a solvent-based ink developed for use on flame-treated polyethylene containers, fiber drums and other hard-to-adhere-to surfaces. 6100 Series has a built-in catalyst that accelerates curing and offers excellent resistance to soaps and detergents.

Substrates:

Fiber drums and treated polyethylene containers.
Stainless steel (test first)

End Uses:

Containers and packaging materials.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

6110 Primrose Yellow
6111 Lemon Yellow
6112 Medium Yellow
6119 Fire Red
6120 Brilliant Orange
6121 Peacock Blue
6122 Ultra Blue
6126 Mixing Clear
6152 Super Opaque Black
6175 Super Opaque White

Pantone Matching System® Base Colors

6158 Tinting White
6159 Tinting Black
6160 Orange
6161 Yellow
6162 Warm Red
6163 Rubine Red
6164 Rhodamine Red
6165 Purple
6166 Violet
6167 Reflex Blue
6168 Process Blue
6169 Green

Thinners/Retarders

5560 Fast Thinner
9050 Retarder

Cleaners

IMS202 Universal Graphic Screen Wash
2555 Screen Wash
IMS301 Premium Graphic Press Wash

Color Card

Conventional Color Card: CARD375



Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

8400 Series Insert Mold Decorating Applications



8400 Series Screen Ink is a polyester solvent-based/conventional screen ink which meets the requirements of various industrial and specialty print applications including, the insert mold decorating (IMD) process. The dried ink film exhibits good gloss and flexibility for forming, post-form trimming, resistance to wash out during the molding process, and adhesion to polycarbonate injection mold resin. Overprinting the 8400 with the 8449 Tie-Coat screen ink promotes adhesion to injection resins other than polycarbonate (PC), such as ABS, PMMA and PVC. 8400 Series ink is for second surface printing on polycarbonate, polycarbonate blend, or pre-treated polyester films which will be formed then molded in the insert mold decorating process. The addition of NB72 Catalyst or NB80 Adhesion Promoter is necessary for in-mold decorating applications.

8400 Series Industrial & Specialty Applications



8400 Series Screen Ink is a polyester solvent-based/conventional screen ink which meets the requirements of various industrial and specialty print applications including, the insert mold decorating (IMD) process. The dried ink film exhibits good gloss and flexibility for forming and post-form trimming. For insert mold decorating (IMD), see the 8400 Technical Data Sheet for IMD applications

Substrates:

Untreated polyester, Polyester coated surfaces, Some treated or top coated polyester films, Polycarbonate, Polycarbonate blends, Primed / pre-treated polyester

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

8410	Primrose Yellow	8421	Peacock Blue
8411	Lemon Yellow	8422	Ultra Blue
8412	Medium Yellow	8424	Gloss Black
8413	Emerald Green	8427	Mixing/Overprint Clear
8418	Scarlet Red	8450	Barrier White
8419	Fire Red	8452	Super Opaque Black
8420	Brilliant Orange		

Single Pigment Toners

8480	Yellow Toner	8485	Green Toner
8481	Orange Toner	8486	Blue Toner (GS)
8482	Carmine Toner	8487	Blue Toner (RS)
8483	Magenta Toner	8488	Violet Toner
8484	Maroon Toner	8489	Red Toner

Transparents

84PB12	Transparent Medium Yellow
84PB18	Transparent Red
84PB60	Stop Sign Red

Tie-Coat

8449	Tie-Coat
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Halogen-Free Colors

84201	Tinting Black
84202	Tinting White

Non-Conductive Black

NSC60	Non-Conductive Black
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Additives/Reducers

8448	Flatting Paste
NB72	Catalyst
NB80	UV Adhesion Promoter (for outdoor application)
RE 195	Thinner/Wash
RE 196	Retarder
RE197	Thinner

Cleaners

RE195	Thinner/Screen Wash
9637	Screen Wash
IMS301	Premium Graphic Press Was

Color Card

Conventional: CARD375
Special Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Nazdar Etch & Plating Resist Screen Inks



Nazdar's range of solvent-based, screen printable products for resisting etchants and/or plating solutions. These products are generally used in any industry that needs to etch or plate metals

Substrates:

Various metals, such as copper, aluminum, brass and stainless steel

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

16935PC Black
16935PC Etch Resist Black
205 Blue
212 Blue
226 Black

Additives/Thinners

PA7	Polyall Thinner
PA8	Retarder
RE180	Thinner
RE182	Retarder
5500	Thinner
5550	Retarder Thinner

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash
2555	Screen Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



TEXTILE
NAZDAR SCREEN PRINTING INKS

Textile Inks



PX Series Perma-Flex Flock Adhesive Screen Ink

PX Series is formulated as a pigmented adhesive for flocking applications on a wide variety of natural textile materials. The excellent opacity and "short" body allows ease in achieving a thick adhesive deposit for flocking. PX Series is ideal for use without a high temperature dryer.

Substrates:

Cotton, cotton/polyester blends, some synthetics, Sunbrella®

End Uses:

Awnings, beach bags, t-shirts, banners, outerwear.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

PX10	Yellow	PX23	Navy Blue
PX13	Orange	PX24	Black*
PX15	Dark Green	PX25	White*
PX16	Brown	PX28	Purple
PX18	Scarlet Red	PX32	Gold
PX19	Fire Red	PX33	Kelly Green
PX21	Royal Blue	PX75	Super Opaque White*

Reducers/Thinners

PX30 Thinner

Cleaners

IMS401C Premium Textile Screen Wash

Color Card

Color Card DA-PX: CARDDA

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

DA Series Nylon and Flock Screen Ink



DA Series is a two-part polymerizing screen ink that has been formulated to be extremely flexible and resistant to laundering and dry cleaning as well as ironing. DA Series is highly opaque, extremely flexible and elastic ink for printing and flocking most synthetic and natural textiles, including waterproof nylon and other synthetics having a finish. (Pretesting of waterproof nylon is recommended.)

The DA Series ink must be catalyzed with DA176 Catalyst before using.

Substrates:

Cotton, cotton blends, synthetics, waterproof nylon and finished synthetics.

End Uses:

Nylon jackets.

Product Range:

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

Standard Printing Colors

DALF104	Bright Red	DALF142	Emerald Green
DA111	Black	DA152	Light Blue
DA112	White	DA156	Brilliant Blue
DALF124	Orange	DA170	Clear
DALF134	Medium Yellow		

Additives/Reducers

DA176	Catalyst (Available half pints also)
DA1882	DA Accelerator (2 Fl. oz. Only)
RE188	Thinner

Cleaners

VF184	Screen Wash
IMS401	Premium Textile Screen Wash
IMS501	Premium Textile Press Wash

Color Card

Color Card DA-PX: CARDDA

Colors with an item number containing 'LF' indicate a lead-free alternative that replaced a lead containing color. All colors listed in this document are lead-free.

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



SPECIALTY INKS & ADDITIVES

NAZDAR SCREEN PRINTING INKS

Specialty Powders & Pastes

Nazdar Metallic Powders/Pastes

BP24	Superfine Pale Gold Leaf	BP623	Fine Brilliant Aluminum
BP90	Light Pale Gold Lining	BP807	Superfine Aluminum
BP91	Rich Gold Lining	SIPM504	Aluminum Paste L-228
BP93	Copper Lining	SIPM514	950 Copper
BP99	Rich Pale Gold Lining	SIPM523	60 Rich Pale Gold Powder
BP120	Extra Fine Aluminum	SIPM525	Rich Gold Powder
BP177	Rich Pale Gold	SIPM527	C12 Pale Gold
BP195	Aluminum Lining	SIPM528	C12 Rich Gold Powder
BP200	Superfine Aluminum	SIPM529	60 Pale Gold
BP224	Copper Leaf	SIPM530	Pale Gold Powder
BP242	Extra Brilliant Aluminum	SIPM531	30 Aluminum Powder
BP325A	Aluminum	SIPM533	601-1 Aluminum Paste
BP400A	Aluminum	SIPM571	313 Aluminum Paste
BP400C	Copper	SIPM573	2871 Aluminum Pigment
BP400P	Pale Gold	SIPM606	Aluminum 6600
BP400R	Rich Gold	SIPM610	Premior 115 Gold
BP400RP	Rich Pale Gold		

Note: Additional Nazdar Metallic Powders/Pastes available

Nazdar Pearlescent

SIP1419	502 Red Brown	SIP1519	9307 Sw Gold Auto Grade
SIP1420	103 Rutile Sterling SI	SIP1520	9520 Sw Bronze Auto Grade
SIP1423	100 Silver Pearl	SIP1530	305 Solar Gold
SIP1453	123 Brt Luster Satin	SIP1536	Card Silver BN001
SIP1471	504 Red	SIP1543	302 Satin Gold
SIP1518	520 Bronze Satin	SIP1574	Icy White Silver

Nazdar Interference

SIP1544	Ultra Gold	SIP1547	Ultra Lilac
SIP1545	Ultra Red	SIP1548	Ultra Blue
SIP1546	Ultra Copper	SIP1549	Ultra Green

Nazdar Multi-Chromatic

SIP1532	T10-01 Viola
SIP1533	T10-02 Arctic Fire

Nazdar High Sparkle Powder

SIP1558	FM Pearl Glitter
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Nazdar Phosphorescents

SIP1466	Powder 6SSULB
SIP1479	Luminova BG 300 M PG
SIP1563	Luminova G300 PIG

Nazdar Fluorescent Pigment Powders

SIPP105	Flourescent Pink
SIPR622	Flourescent Red
SIP0510	Flourescent Red/Orange
SIP0511	Flourescent Orange
SIP0541	Flourescent Orange/Yellow
SIPY915	Flourescent Yellow
SIPY952	Flourescent Yellow/Green
SIPG305	Flourescent Green
SIPU711	Flourescent Blue
SIPR623	Flourescent Magenta

Nazdar Optical Brightener Powder

NSICH221 UVITEX Optical Brightener

Availability:

All of the above items are available in 1 lb. containers.

Flattening and Thickening Powders

SIP1413	Universal Flattening Powder
SIP1440	TS-100 Flattening Powder
SIP1414	Cab-o-Sil PTG Thickening Powder

Color Card- Specialty Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX20's Graphic Transparent UV Inks



NFX20's Graphic Transparent UV Screen inks provide a high color, high transparency for overprinting metallic effects or on clear substrates for POP / graphic applications. NFX20's Graphic Transparent UV Screen inks can be intermixed to expand your color offering.

Substrates:

Styrene, rigid vinyl, pressure sensitive vinyl, polycarbonates, some acrylics, coated papers, and coated cardstocks

Interprinting Inks:

NFX20's Graphic Transparent UV Screen inks are intended to overprint metallic effects on the substrates outlined in the 'Substrate' section. NFX20's Graphic Transparent UV Screen inks can overprint metallic effect using the following UV ink series:

UV First Down Chrome Silver and UV First Down Chrome Gold
1600 UV Ink Series
1800 UV Ink Series
1900 UV Ink Series

Refer Technical Data Sheet for the over-print ink to determine it processing recommendations.

Note: when overprinting metallic effects, pre-test to determine suitable inter-printing adhesion. Some metallic effects may and significantly reduce adhesion performance.

Packaging

All items listed below are available in gallon containers. These items are non-inventoried and made to order. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX Graphic Transparent Colors

NFX21 Clear
NFX22 Red
NFX23 Magenta
NFX24 Violet
NFX25 Blue
NFX26 Green
NFX27 Yellow
NFX29 Black

Additives/Reducers

NB80 UV Adhesion Promoter (liters only)
RE308 UV Reducer
RE310 UV Reducer

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX30's High Sparkle Glitter UV Inks



Nazdar's NFX30's High Sparkle Glitter UV screen inks provide ready pre-mixed colors for graphic applications. The ultra transparency of the inks results in a saturated, vibrant color that does not dull the high sparkle, glitter effect.

Substrates:

Styrene, rigid vinyl, some pressure sensitive vinyl, polycarbonate, some acrylic, coated paper, and coated cardstock.

Interprinting Inks:

It is recommended to use NFX30's High Sparkle Glitter inks as only an overprint on the substrates outlined in the 'Substrate' section. NFX30's High Sparkle Glitter inks can be interprinted with:

1600 UV Ink Series
1800 UV Ink Series
1900 UV Ink Series
4000 UV Ink Series

Refer the inter-print ink's Technical Data Sheet for processing recommendations.

Note: These colors are intended to work well from the container. Due to the large glitter flakes, bumps in the surface should be expected.

Packaging

Nazdar manufactures the colors listed below in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX High Sparkle Colors

NFX31 Silver Clear
NFX32 Red
NFX33 Magenta
NFX34 Violet
NFX35 Blue
NFX36 Green
NFX37 Yellow
NFX38 Orange
NFX39 Black

Additives/Reducers

NB80 UV Adhesion Promoter (liters only)
RE308 UV Reducer
RE310 UV Reducer

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX56 Magnetic Receptive UV Ink



Magnetic Receptive UV Screen Ink can be used on various substrates to produce a surface coating that will attract a magnet. The ink deposit, printed surface area, and thickness of the magnet contribute to the level of attraction. Magnetic Receptive UV Screen Ink is only suitable for flat substrates; folding, flexing, etc. may cause cracking in the ink layer. The ink itself is non-magnetic.

Substrates:

Rigid Styrene, Polycarbonate, Some Coated Card Stock.

Packaging

The Magnetic Receptive UV Screen Ink is available in gallon containers.

NFX56 UV Magnetic Receptive ink

Cleaners

IMS203 Economy Graphic Screen Wash

IMS207C Graphic Recirculating Wash

IMS301 Premium Graphic Press Wash

Color Card

Magnetic Receptive Print Sample: LIT0401

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX57 Hi Gloss Anti-Graffiti UV Screen Clear



NFX57 Hi Gloss Anti-Graffiti Clear UV Screen Ink is designed to be used as an overprint clear to allow graffiti to be removed from the surface and to protect the underlying graphics from cleaners. This product is resistant to cleaners and solvents to allow for easy removal of graffiti. NFX57 Anti-Graffiti Clear is designed to be compatible over several inks; test for adhesion and printability over inks before use. Properly cured, this clear will be resistant to most common cleaning fluids; test for resistance properties prior to full scale production.

Substrates:

Pressure sensitive vinyl, coated papers, polycarbonate, static cling vinyl, rigid vinyl

Interprintable Graphic Inks

The following ink series can be used with NFX57 Anti-Graffiti Clear on their appropriate substrates referenced above: PowerPrint® 1600 UV Ink Series, PowerPrint® Banner 1900 UV Ink Series, 3200 UV Ink Series, 3600 UV Ink Series and 3900 UV Ink Series. Shop conditions vary; pretest the graphic ink and NFX57 Anti-Graffiti combination to determine optimum performance characteristics for a particular set of substrate, screen, press, and curing conditions.

Packaging

NFX57 Anti-Graffiti Clear is available in gallon containers.

See distributor for availability and container sizes of Reducers and removers.

NFX57 UV Anti-Graffiti Clear

Reducer/Remover

RE307 UV Reducer

668550KI Graffiti Remover

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Nazdar NSC15 & NSC16 Signature UV Screen Ink



NSC15 UV Signature White and NSC16 UV Signature Clear are UV screen inks that provide a matte surface suitable for writing onto with most ball-point pens or permanent markers. NSC15 & NSC16 Signature inks are also used as overprint inks to provide a matte surface.

Substrates:

Styrene, rigid vinyl, pressure sensitive vinyl, polycarbonate, some acrylic, coated paper, coated card stock, treated polypropylene

Packaging

Standard ink items listed below are inventoried in gallon containers.

Standard Inks

NSC15 UV Signature White
NSC16 UV Signature Clear

Reducer/Remover

RE301	UV Reducer
RE308	UV Reducer
NB80	UV Adhesion Promoter

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



667702KI

Special Mirror Silver Screen Ink

667702KI Special Mirror Silver Screen Ink is a solvent-based ink for printing second surface on transparent polycarbonate film. The ink film exhibits a mirror-like reflective surface when viewed through the top or first surface of the polycarbonate film.

Adhesion of the ink to substrates other than polycarbonate must be tested prior to any production run. The mirror silver ink is not compatible with laminating adhesives. See section on Overprint. The thoroughly dried ink film may be overprinted with Nazdar screen inks, including 9700 Series, 1800 Series and 2400 Series ink for further protection. Over-printing the mirror ink with other ink systems is not recommended.

Substrates:

Polycarbonate

Packaging

Contact your Nazdar distributor for product availability and offering.

667702KI Special Mirror Silver Screen Ink

Cleaners

IMS201 Premium Graphic Screen Wash

IMS203 Economy Graphic Screen Wash

IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX52 UV Heavy Deposit Clear



NFX52 UV Heavy Deposit Clear Screen Ink is a UV curable ink for screen printing to produce a thick ink deposit. This ink was originally designed for braille printing. NFX52 can also be used for a raised 3D effect on a printed graphic.

Substrates:

Coated paper, Styrene, Rigid Vinyl

Packaging

Nazdar manufactures this ink in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX52 UV Heavy Deposit Clear

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX53 Soft Feel Clear UV Ink



NFX53 UV Soft Feel Clear is a matte overprint clear ink for providing a somewhat soft feel, touchable surface that resists scuffing. NFX53 UV Soft Feel Clear can also be used to print in selected areas to enhance the feel of a graphic image.

Substrates:

Rigid Vinyl, Styrene, Polycarbonate, and some Coated Papers.

Packaging

Nazdar manufactures this ink in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX53 UV Soft Feel Clear

Additives/Reducers

RE302 UV Reducer

Cleaners

IMS201 Premium Graphic Screen Wash
IMS203 Economy Graphic Screen Wash
IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX55 Dry Erase Clear UV Ink



NFX55 UV Dry Erase Clear Screen Ink is screen printed to produce a surface that can be written on with dry erase markers and erased appropriately for reuse.

Substrates:

Coated Cardstock, Rigid Vinyl

Packaging

All items listed below are available in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX55 UV Dry Erase Clear

Additives/Reducers

RE302 UV Reducer

Cleaners

IMS201 Premium Graphic Screen Wash

IMS203 Economy Graphic Screen Wash

IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Specialty Inks

2 Part Urethane Clear

Nazdar Urethane Clear is a 2-part overprint clear designed for printing over Nazdar inks, including 9700 and System 2 Series.

Products and Codes

223900 Urethane Clear Part A

223790 Urethane Clear Part B

223750 Urethane Clear Thinner

223760 Urethane Clear Retarder

Advantages of Urethane Clear Include:

1. Excellent outdoor durability
2. Good chemical resistance (excluding MEK)
3. Good flexibility
4. Good adhesion properties to common substrates including cast and 4 mil. vinyls, top coated polyester, and polycarbonate.
5. High gloss, wet look finish Urethane clear is packaged in 2 parts. Combine parts A and B shown below. Mixing ratios are important to achieve final ink properties

By Weight:

Part A 85% + Part B 15% = 100%

By Volume:

Part A 128 fl. oz. (1 Gallon) + Part B 20 fl. oz. = 148 fl. oz.

Color Card- Specialty Effects Color Card: CARDSPL

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Special Doming Repelling Clear



657101PS Special Doming Repelling Clear is a UV curable ink for screen printing around areas where a doming clear is going to be applied to limit the spread of the doming clear.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.
657101PS Special Doming Repelling Clear

Clean-Up

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

Doming Receptive Clear



652663PS Doming Receptive Clear is a UV curable ink for screen printing on areas where a doming clear is going to be applied, providing a barrier coat between the doming clear and the substrate. The application of 652663PS is necessary in cases where the doming clear does not adhere to the substrate or does not wet the substrate.

Packaging / Availability

Contact your Nazdar distributor for product availability and offering.
652663PS Doming Receptive Clear

Cleaners

IMS201	Premium Graphic Screen Wash
IMS203	Economy Graphic Screen Wash
IMS301	Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

NFX54 UV Soft Tac Clear



NFX54 UV Soft Tac Clear is intended to provide a rubbery, semi-tacky surface that resists slipping.

NFX54 UV Soft Tac Clear may be printed over the following Nazdar ink systems: 1600 Series, 1900 Series, 3400 Series, 3500 Series, 3600 Series and 3900 Series.

Substrates:

Polycarbonate, Top-coated or Primed Polyester, Vinyl

Packaging

Nazdar manufactures this ink in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

NFX54 UV Soft Tac Clear

Cleaners

IMS203 Economy Graphic Screen Wash

IMS207C Graphic Recirculating Wash

IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

65932134 SPL UV Laser Printable Clear



65932134 Spl UV Laser Printable Clear is a primer to be screen printed over various films which will be processed using commercially available laser printers.

Substrates:

Various plastics

Packaging

Nazdar manufactures this ink in gallon containers. See distributor for availability and container sizes of Additives/Reducers and cleaners.

65932134 Spl UV Laser Printable Clear

Cleaners

IMS201 Premium Graphic Screen Wash

IMS203 Economy Graphic Screen Wash

IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.

PowerPrint 32500's and CoroPlus 32800's Fluorescent Inks



Nazdars PowerPrint® 32500's® Fluorescent Series and CoroPlus® 32800's® Fluorescent Series UV Screen Inks are graphic POP inks that provides stable, pre-mixed fluorescent colors to be used for indoor graphics advertising applications.

Substrates:

PowerPrint® 32500's®

- Styrene
- Rigid PVC
- Vinyl
- Some acrylics
- Some coated papers / cardstocks

CoroPlus® 32800's®

- Fluted Polypropylene
- Coroplast

Packaging

Contact your Nazdar distributor for product availability.

PowerPrint 32500's

32510	Fluorescent Chartreuse
32520	Fluorescent Orange / Yellow
32530	Fluorescent Orange
32540	Fluorescent Orange / Red
32550	Fluorescent Red
32560	Fluorescent Cerise
32570	Fluorescent Pink
32580	Fluorescent Blue
32590	Fluorescent Green
32600	Fluorescent Magenta

PowerPrint 32800's

32810	Fluorescent Chartreuse
32820	Fluorescent Orange/Yellow
32830	Fluorescent Orange
32840	Fluorescent Orange/Red
32850	Fluorescent Red
32860	Fluorescent Cerise
32870	Fluorescent Pink
32880	Fluorescent Blue
32890	Fluorescent Green
32900	Fluorescent Magenta

Additives/Reducers

RE302 UV Reducer

RE312 UV Reducer

NB80 UV Adhesion Promoter

Cleaners

IMS201 Premium Graphic Screen Wash

IMS203 Economy Graphic Screen Wash

IMS301 Premium Graphic Press Wash

Note: For a complete description of this ink series printing applications and parameters, please refer to the Technical Data Sheet available online at: www.nazdar.com. Refer to page 14 of this catalog for Nazdar's Ink Usage Guidelines and heavy metals statement.



COLOR MATCHING & FORMULATION SOFTWARE
NAZDAR SCREEN PRINTING INKS



Color Matching and Formulation Software

Nazdar ColorStar® Color Management Systems



The tools you need to increase efficiency, reduce costly set up time, eliminate waste, and increase profits. ColorStar is a powerful productivity tool developed specifically for screen printing shops, offering a list of features to make any screen printing business more efficient -- and profitable.

The ColorStar package includes PANTONE formula matches for the most popular Nazdar UV and conventional inks and comes complete with software, an easy to follow manual and a tutorial video program. Compatible with any PC in the Microsoft Windows environment, ColorStar is available in 3 versions to meet your production requirements and fit your budget:

- ColorStar Pro 2.0 accurately predicts quantity usage
- ColorStar Check Weigh System is a fully integrated system including computer hardware and interfaced scale.

NOTE: Nazdar's color mixing ink formulations produce only simulations of PANTONE Colors in this color reproduction method due to differences in ink film, opacity, pigment selection, print technique, press, squeegee, and mesh. Any formula may need to be adjusted by the user to correct any visual differences to the target.

ColorStar® Online

Nazdar's Online Pantone® Simulation Formula Guide Color Matching System

ColorStar® Online provides a fast and easy way for Nazdar Ink customers to acquire starting ink formulas for Pantone® color matches, calculate ink usage for a particular job, or work off existing ink inventory.

Just visit www.nazdar.com/colorstar. Then simply select a ColorStar procedure

- Ink Formulas
Find the percentages of components necessary to create a starting formula.
- ColorStar Calculator
ColorStar can quickly calculate formulations by unit, by number of prints, or by print area.
- Workoff Conversion
Calculate the most efficient way to create a color match using your existing inventory of Nazdar inks.
- It's fast, it's simple, and it makes your job easier.
Try ColorStar Online today

ColorStar® Pro 2.0

- Enhanced calculation field provides accurate quantity-usage predictions using exact parameters based on specific mesh and/or coverage data.
- Accurate quantity predictions mean accurate job costing.
- Stores the print parameters for each formula, reducing costly set-up time for repeat jobs.
- Expanded capabilities with updated ink lines.
- Auto saving function for all data entries.
- Allows you to accurately weigh Pantone® and custom formulas consistently.
- Creates database of custom colors

ColorStar® CheckWeigh

- Complete ink formula system, including iBlend software, desktop PC system, black & white laser printer, and a Mettler Toledo scale that can weigh small lab batches up to 5 gallon containers.
- Option available to add additional lab scale for smaller batch and sample mixing.
- Automatically corrects for overpours.
- Capacity to integrate with automated systems that dispense inks into stationary containers.
- Contact Nazdar for pricing and information on customized features

Interface Ability with Automated Dispensing Systems & Ink Formulation Systems.



Dispensing Systems



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