NAZDAR®

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

USER INFORMATION

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

MESH	175-230 tpi (70-110 tpcm) monofilament polyester mesh for most applications
STENCIL	Solvent resistant direct emulsions and capillary films
SQUEEGEE	70-80 durometer polyurethane squeegee
COVERAGE	1,000-1,500 square feet (93 - 140 square meters) per gallon depending upon ink deposit
PRINTING	To improve flow, reduce the ink 5% - 15% by weight with a thinner (see Additives section). Add only enough ink to the screen to be able to print for 5-10 minutes. Add additional ink in small increments throughout the print run to maintain screen stability. Thoroughly mix the inks prior to printing. Maintain ink temperatures at 65°-90°F (18°-32°C) for optimum print drying performance. Lower temperatures increase the ink viscosity, impairing both flow and drying. Elevated temperatures lower the ink viscosity, reducing print definition, film thickness and opacity. Pretest to determine optimum printing performance for a particular set of ink, substrate, screen, press, and drying variables/conditions.
DRYING	5500 Series ink dries by solvent evaporation and will air dry in 20-30 minutes, and may be force dried in a conveyor dryer with good air flow at temperatures of 110°-130°F (44°-55°C) within seconds.
CLEARS / VARNISHES	*Mixing Clear / Metallic Mixing Clear:* Use 5530 Transparent Base to reduce the density of colors, as a clear base for specialty additives such as Metallics, or where fine detail is required. *Base:* Use 5536 Extender Base to increase coverage without affecting ink viscosity.
ADDITIVES	All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink. *Reducer / Retarder:* Use 5500 or 9050 to reduce the viscosity of these inks. Add up to 15% by weight. Do not exceed recommended levels of reduction. Over reduction with retarder can result in blocking. *Adhesion Promoter:* Use 5549 to improve adhesion and rub resistance on absorbent stock. *Reduce Drying:* Use 5560 to reduce drying times. *Roller Coating:* Use a blend of 50% by weight of 5549 and 50% by weight of 5500 for roller coating applications.

CLEAN UP	*Screen Wash (Prior to Reclaim):* Use IMS202 Universal Graphic Screen Wash
	Press Wash (On Press): Use IMS301 Premium Graphic Press Wash
STORAGE	The inks react to temperature. Store tightly covered at temperatures between 65°-90°F (18°-32°C). Ink taken from the press should not be returned to the original container; store separately to avoid contaminating unused ink.

GENERAL INFORMATION

INK HANDLING	All personnel mixing and handling these products must wear gloves and eye protection. Clean up spills immediately. If ink does come in contact with skin, wipe ink off with a clean, dry, absorbent cloth (do not use solvent or thinner). Wash the affected area with soap and water. Consult the 5500 and 5500 Fluorescent Material Safety Data Sheet for further instructions and warnings.
ADHESION TESTING	1. Touch of ink surface – the ink will dry. 2. Thumb twist – the ink surface will not mar or smudge. 3. Scratch surface – the ink will resist scratching.

PRODUCT OFFERING

STANDARD PRINTING COLORS	Standard Printing Colors have excellent opacity and flow characteristics.
FLUORESCENT COLORS	Fluorescent colors require special considerations due to their high pigment contents. Best results are achieved when printed through a mesh that offers more open area. These inks have the tendency to settle; so high speed mixing is required prior to printing. Fluorescent colors fade quickly with exposure to ultraviolet light and not rated for outdoor durability.
SPECIAL ADDITIVES	When inks are to be printed over a special effect color, the overprinting ink(s) must be evaluated for intercoat adhesion before proceeding with the production run. To maximize intercoat adhesion, specialty colors should be printed as late as possible in the print sequence. Pigments may settle in the container; prior to printing, thoroughly mix the ink.
	The following special effect pigments may be added to the 5500 Series ink. These pigments are available in 1-pound containers. Contact Nazdar for the item number(s) and availability of each special effect product.
	Metallics: Mix only enough metallic ink to be used the same day. Chemical reactions in metallic inks may result in viscosity, color and printability changes over time.
	Pearlescents / Interference / Multi-Chromatic: See the Pearlescent, Interference, and Multi-Chromatic Technical Data Sheets for more information.
COLOR CARD MATERIALS	The following is a list of screen printed samples available.
	CARD55: shows the Standard Printing Colors
	Special Effects Color Card: shows Metallic, Pearlescent, Interference, and Multi-Chromatic effects mixed with clear

PACKAGING   Most items listed below are available in quart and gallon containers.

	Stock Number	Standard Printing Colors		Stock Number	Fluorescent Colors
+	55LF01	Primrose Yellow	+	5592	Mint Green
+	55LF02	Lemon Yellow *(replacement for 5502 Light Chrome Yellow)*	+	5594	Citron Yellow
+	55LF04	Sign Red	+	5595	Poppy Red
+	5508	Radiant Ultra Blue	+	5596	Golden Yellow
+	5509	Midnite Blue	+	5597	Coral Pink
+	5511	Jet Black	+	5598	Tropical Orange
+	5512	Opaque White	+	5599	Galaxy Blue
+	55LF14	Emerald Green			
+	5515	Cobalt Blue			
+	55LF16	Dark Green			
+	55LF18	Medium Yellow			
+	55LF20	Fire Red			
+	5521	Rich Brown			
+	55LF25	Cyanine Green			
+	5526	Maroon			
+	5528	Bright Magenta			
+	5530	Transparent Base			
+	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			

PACKAGING   Additives/Reducers are available in gallon containers.
Cleaners are available in gallon, 5 gallon and 55 gallon containers.

Stock Number	+Additives/Reducers	Stock Number	+Clean Up
5500	Thinner	IMS202	Universal Graphic Screen Wash
5549	Binder Varnish (also available in quarts)	IMS301	Premium Graphic Screen Wash
5560	Fast Thinner		
9050	Retarder Thinner		

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.

Nazdar Worldwide Headquarters
8501 Hedge Lane Terrace, Shawnee, KS 66227-3290 USA
Toll Free: 866.340.3579 or Tel: 913.422.1888 Fax: 913.422.2296
e-mail: custserv@nazdar.com

Nazdar Limited
Barton Road, Heaton Mersey, Stockport, England SK4 3EG
Tel: + (44) 0.161.442.2111 Fax: + (44) 0.161.442.2001
e-mail: technicalservicesuk@nazdar.com

http://www.nazdar.com