

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.

USER INFORMATION

MESH 230-305 tpi (90-120 tpcm) monofilament polyester mesh for most applications

STENCIL Solvent resistant direct emulsions and capillary films

SQUEEGEE 70-80 durometer polyurethane squeegee

COVERAGE 1,400-1,800 square feet (130 - 170 square meters) per gallon depending upon ink deposit

PRINTING To improve flow, thin 7900 Series ink up to 15% (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 7900 Series ink dries by solvent evaporation and will air dry in 20-40 minutes or may be force dried in a jet dryer at 130°F (54°C).

CLEARS / VARNISHES Mixing Clear / Metallic Mixing Clear / Overprint Clear: Use 7927 Mixing/Overprint Clear to reduce the density of colors or as a clear base for specialty additives such as Metallics. Use 7927 Mixing/Overprint Clear to provide added surface protection and extend outdoor durability of colors.

ADDITIVES All additives should be thoroughly mixed into the ink before each use. Prior to production, test any additive adjustment to the ink.
Thinner / Retarder: Use 5560 or 9050 to reduce the viscosity or to prevent drying in the screen during hot climate conditions or for slower drying of these inks. Add up to 15% by weight. Over thinning with 5560 or 9050 can result in blocking.

CLEAN UP Screen Wash (Prior to Reclaim): Use IMS201 Premium Graphic Screen Wash
Press Wash (On Press): Use IMS301 Premium Graphic Press Wash

STORAGE 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 7900 Series Material Safety Data Sheet for further instructions and warnings.

ADHESION TESTING

1. Touch of ink surface – the ink will be smooth and tack free.
2. Thumb twist – the ink surface will not mar or smudge.
3. Scratch surface – the ink will resist scratching.
4. Cross hatch tape test – use a cross hatch tool or a sharp knife to cut through ink film only; then apply 3M #600 clear tape on cut area, rub down, wait for 1 minute and rip off at a 180 degree angle. Ink should only come off in actual cut areas.

PRODUCT OFFERING

STANDARD PRINTING COLORS

Standard Printing Colors have excellent opacity and printing characteristics.

PANTONE MATCHING SYSTEM® BASE COLORS

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

60 Series Colors: 7960-7969 colors have a high pigment concentration. These colors are formulated to have some white pigment or opaque pigment in order to increase opacity.

HALFTONE COLORS

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

Halftone Colors are formulated with increased densities in order to have the flexibility to satisfy most process color density requirements.

SINGLE PIGMENT TONERS

The Single Pigment Toners can be used at full color strength, used in color matches, or let down with mixing clear.

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 7900 Series inks. 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.

Conventional Color Card: shows most of the Standard Printing Colors, Pantone Matching System® Base Colors, Halftone Colors.

Special Effects Color Card: shows Metallic, Pearlescent, Interference, and Multi-Chromatic effects.

PACKAGING

All items listed below are available in quart and gallon containers.

'LF' ITEM NUMBERS

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.

Stock Number	Standard Printing Colors	Stock Number	Pantone Matching System® Base Colors
79LF10	Primrose Yellow	7958	Tinting White
79LF11	Lemon Yellow	7959	Tinting Black
79LF12	Medium Yellow	7960	Orange
79LF13	Emerald Green	7961	Yellow
79LF18	Scarlet Red	7962	Warm Red
7919	Fire Red	7963	Rubine Red
79LF20	Brilliant Orange	7964	Rhodamine Red
7921	Peacock Blue	7965	Purple
7922	Ultra Blue	7966	Violet
7927	Mixing/Overprint Clear	7967	Reflex Blue
7945	Forest Green	7968	Process Blue
7952	Opaque Black	7969	Green
7955	Brilliant Blue	Stock Number	Single Pigment Toners
7975	Super Opaque White	7980	Yellow Toner
Stock Number	Halftone Colors	7981	Orange Toner
79HTEX	Halftone Extender Base	7982	Carmine Toner
79HTB	Halftone Blue	7983	Magenta Toner
79HTR	Halftone Red	7984	Maroon Toner
79HTY	Halftone Yellow	7985	Green Toner
79HTBK	Halftone Black	7986	Blue Toner (GS)
		7987	Blue Toner (RS)
		7988	Violet Toner

PACKAGING

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

Stock Number	Additives/Reducers	Stock Number	Clean Up
5560	Fast Thinner	IMS201	Premium Graphic Screen Wash
9050	Retarder	IMS301	Premium Graphic Press Wash

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.

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