Product Guide

Midori NPT Series



Servicing The Industry Since 1983

INK MANUFACTURING COMPANY

Service Driven, Quality Focused & Economically Priced

www.wmplasticsinc.com

What We Do:

WM Plastics has been a leading manufacturer of quality textile inks since 1983. For nearly 30 years WM Plastics has catered to the screen printing industry by providing a variety of products which include: top of the line whites, blacks, special effect inks, mixing systems, additives, bases and the ability to match any color possible in the spectrum. WM Plastics has grown tremendously over the years through dedication to customer service, quality of products and economical pricing, all key areas enabling us to reach customers throughout the United States, China & India.

Service Driven, Quality Focused, and Economically priced (three reasons to trust us with your business), says it all!!! From placing an order to receiving your order in a timely fashion, as the customer, WM Plastics is dedicated to you. We stand behind our business and products with a team that is devoted to making your experience a pleasant one, enticing you to come back again and again.

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Charlotte, NC 28213 1-800-535-4657 (Inks)

Distributor List

<u>Alabama</u>

Magic City Sportswear 3131 4th Ave. South Birmingham, AL 35233 205-871-9100

<u>Arizona</u>

Advanced Screen Technologies 619 S. Hacienda Dr. #1-2, Tempe, AZ 85281 1-877-509-7600 www.advancedscreenprintsupply.com

California

Ink It 4320 Anthony Ct. #3 Rocklin, CA 95677 916-415-5030 www.inkitinc.net

Jantex Inks 7711 Paramount Blvd. Pico Rivera, 90660 562-949-3900 www.jantexinks.com

<u>Colorado</u>

Woohoo Promotions Company 6340 S. Newbern Way Aurora, CO 800161 303-210-2860 www.woohoopromotions.com

<u>Florida</u>

Florida Flex 2671 West 76 St. Hialeah, FL 33016 305-512-2222 www.floridaflex.com

National UV 549 W 13th St. Apopka, FL 32703 800-940-6887 www.nationaluvsupply.com

<u>Georgia</u>

S Cooper Stanley Sales Griffin, GA 30224 770-227-6138

<u>Hawaii</u>

American T-Shirt Co 1217 North King St. Honolulu, HI 96817 808-842-4466

<u>Michigan</u>

One Source 4420 Elms Rd. Swartz Creek, MI 48473 810-635-8844 www.onesourcemichigan.com

One Source 3240 W. St. Joseph Lansing, MI 48917 517-977-0080 www.onesourcemichigan.com

T. Rosema & Associates 3824 44th Street SE Grand Rapids, MI 49512 616-698-8810

<u>Missouri</u>

Gateway Screen Supply 1806 W. Osage Pacific, MO 63069 636-271-8391 www.gatewayscreenproducts.com

<u>Ohio</u>

Richardson Supply 2080 Hardy Parkway St. Grove City, OH 43123 614-539-3033 www.richardsonsupply.com

Pennsylvania

Wildside North 107 Arrowhead Drive PO Box 339 Slippery Rock, PA 16057 888-245-3810 www.wildsidenorth.com

Tennessee

Tennessee Screen Supply 1709 Oakway Circle Columbia, TN 38401 931-486-2072

<u>Canada</u>

Quebec Graphic Textile Supply (GTS) 145 Barr Street, Unit 5 St-Laurent, Quebec H4t 1W6 877-804-4657 www.graphictextilesupply.ca

Caribbean

Dominican Republic and Haiti

PakColor Zona Colonial 809-221-6421/809-685-2257 Email: <u>wbaez@pakcolonial.com</u> www.rotulpak.com

Puerto Rico

Lansi del Caribe Corp. Caguas, PR 787-525-3951 Email: <u>adner00@yahoo.com</u>

Central America

<u>El Salvador</u> Distinta +503-2515-0900 Ext. 5

<u>Guatemala</u> Distinta +502-5519-0000

<u>Honduras</u> Distinta +504-2509-8041

<u>Nicaragua</u> Distinta +504-2509-8041

South America

Venezuela

Distribuidora Screen Graf Pte. Anauco A Pte. Republica Torre Los Caobos Local 19 Caracas, Venezuela (58212) 576-1816 Email: <u>freddycor56@yahoo.com</u>

All Purpose (AP)

Applications

-Direct printing -White or light colored garments -100% Cotton garments -Cotton/Polyester, Acrylic & Polyester garments (with LB underlay)

Features

-Low build-up -Easily releases from the screen -Very soft hand

General Info:

All Purpose (AP) inks are formulated to be directly printed onto white or light colored, 100% cotton garments. AP inks can also be used on dark colored garments if an underlay is used; this is the suggested method for dark colored shirts to achieve a soft hand.

Bleed Resistance: None

Opacity: Low to Medium

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 110-305 (43 to 120 threads per cm)

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (110-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (110-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 3-5 seconds, just enough for the surface to be tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/163°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

(Refer to Standard Color-card for color reference)

	,		,	
JB-3125-AP	Dallas Gold		JR-5332-AP	Lt Navy
JB-3135-AP	Primrose		JN-5001-AP	Royal
JB-3122-AP	Lemon		JB-5013-AP	Marine Blue
JB-3209-AP	Yellow Gold		JW-5273-AP	Lt Royal
JB-3303-AP	Gold		JB-5042-AP	Brite Royal
JB-7109-AP	Brite Orange		JB-5104-AP	Lt Reflex Blue
JB-6056-AP	Brite Red		JB-5048-AP	Sky Blue
JB-6420-AP	Scarlet		JB-5120-AP	Lt Blue
JB-6247-AP	Cardinal		JB-5040-AP	Turquoise
JB-6251-AP	Maroon		JB-4030-AP	Dallas Green
JB-5525-AP	Violet		JB-4053-AP	Kelly Green
JW-5666-AP	Russell Purple		JB-4238-AP	Forrest Green
JB-5011-AP	Navy	2		

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High Opacity (HO)

Applications	
-Direct printing	Features
 Medium to dark colored garments 	-Low build-up
-100% Cotton garments	-Easily releases from the screen
-Cotton/Polyester, Acrylic &	-Very soft hand
Polyester garments (with LB underlay)	-High opacity for great coverage

General Info:

High Opacity (HO) inks are formulated to be directly printed onto medium to dark colored, 100% cotton garments. These inks provide great coverage and have a creamy body unlike most High Opacity inks, therefore making the ease of printing more simple.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-240 (34 to 110 threads per cm)

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 9 seconds, just enough for the surface to be tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/163°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

(Refer to Standard Color-card for color reference)

		,	
JB-7109-HO	HO Brite Orange	JB-4053-HO	HO Kelly Green
JB-6056-HO	HO Brite Red	JW-6008-HO	HO Drake Red
JB-5013-HO	HO Marine Blue	I-11-8520	HO Fls Lemon
JB-5042-HO	HO Brite Royal	I-11-8536	HO FIs Yellow
JB-5048-HO	HO Sky Blue	I-11-8515	HO Fls Magenta
JB-5120-HO	HO Lt Blue	I-11-8534	HO FIs Pink
JB-5040-HO	HO Turquoise	I-11-8530	HO FIs Red
JB-2250-HO	HO Lt Gray	I-11-8532	HO Fls Green
JB-2065-HO	HO Dk Brown	I-11-8531	HO FIs Blue
JB-2050-HO	HO Lt Brown	I-11-8533	HO FIs Violet
JB-4030-HO	HO Dallas Green		

Low Bleed (LB)/Poly

Applications	Features
-Direct printing	-Great body
-Medium to dark colored garments	-Made with non-migrating pigments
-Cotton/polyester, 100% polyester	-Maintains viscosity during runs
& Nylon garments	-High opacity for great coverage

General Info:

Low Bleed (LB) inks are formulated to be directly printed onto medium to dark colored, cotton/polyester blends,100% polyester & nylon garments. These inks provide great coverage and have a creamy body unlike most bleed resistant inks, therefore making the ease of printing more simple. Please note that tightly woven nylon garments will require a nylon additive for adhesion.

Bleed Resistance: Great

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-160 (34 to 62 threads per cm)

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 9 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/163°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

(Refer to Standard Color-card for color reference)

I-10-3014	Poly Primrose	JW-3040-LB	Poly Vegas Gold
I-10-3002	Poly Lemon	JB-2250-LB	Poly Gray
I-10-3006	Poly Yellow Gold	JR-5332-LB	Poly Lt Navy
I-10-3001	Poly Lt Gold	JN-5001-LB	Poly Royal
I-10-3372	Poly Gold	JW-5666-LB	Poly Purple
I-11-6438	Poly Scarlet	JB-6247-LB	Poly Cardinal
JB-6056-LB	Poly Brite Red	JB-6251-LB	Poly Maroon
JB-5048-LB	Poly Sky Blue	JB-2050-LB	Poly Lt Brown
JB-4053-LB	Poly Kelly Green	JB-7096-LB	Poly Orange

Poly White I-10-9589

Applications

-Direct printing -Medium to dark colored garments -Cotton/polyester & 100% polyester

Features

-Great body -Fast flashing -Super bright -Outstanding opacity for great coverage -Extreme bleed resistant

General Info:

Poly White is our premium, high-opaque, low-bleed white formulated to reduce dye migration on 100% polyester garments. This white provides the highest bleed resistance and outstanding coverage of all of our whites, while maintaining a soft body that makes it extremely easy to print compared to most other whites manufactured to this day.

Bleed Resistance: Extreme

Opacity: Extreme

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-260

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 2 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/175°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Ultimate White I-10-9568

Applications -Direct printing -Light, Medium & dark colored garments	Features -Great body -Fast flashing
-Cotton/polyester & 100% polyester	-Super bright
	-High opacity for great coverage -Great bleed resistance

General Info:

Ultimate White is our top selling, high-opaque, low-bleed white. It was formulated to be extremely bright and provide the ultimate ease of printing through mesh counts up to 300, while at the same time providing unmatched bleed resistance and body characteristics that other manufactures have failed to duplicate.

Bleed Resistance: Great

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-300

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 2 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/175°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Brite White I-10-9521

Applications -Direct printing -Light, Medium & dark colored garments Cotton/polyostor blonds	Features -Great body -Fast flashing
-Cotton/polyester blends	-Super bright -Good opacity for coverage
	-Good bleed resistance

General Info:

Brite White is our economical, general purpose white that provides good coverage and some bleed resistance on those pesky cotton/polyester blends. Even though this white is categorized as economical, its soft body still allows it to be printed as easily as our premium whites.

Bleed Resistance: Good

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-300

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 3 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/175°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Sun White I-10-9501

Applications

-Direct printing -Light, Medium & dark colored garments -Cotton

Features

-Creamy body -Fast flashing -Bright -Excellent printability -Soft hand

General Info:

Sun White is our premium cotton white, formulated for the printers who require the best cotton white on the market. The combination of opacity and ease of printing makes this white stand above all other cotton whites in today's industry.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-280

Stencil: Any direct emulsion or capillary film

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 6 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Just Soft Black I66-2250

Applications

-Direct printing -Light to medium colored garments -Cotton

Features

-Creamy body -Extremely Soft hand -Excellent printability -No build-up

General Info:

Just Soft Black is an extremely soft black that was formulated to mimic the feel of a water base print. This black is intense in color, easy to print and provides the softest feel of all our blacks.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 110-300. The higher the mesh count, the softer the feel.

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (110-9906)

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle. The higher the squeegee pressure is, the softer the feel

Flashing: Not recommended.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Black Cream I10-2280

Applications

-Direct printing -Light to dark colored garments -Cotton, cotton blends & polyester

Features

-Creamy body -Soft hand -Excellent printability -No build-up

General Info:

Black Cream is a premium high performance black ink that is formulated with a super creamy texture that will not water down like most blacks. This black has the highest mat down properties and is more intense in color than any of our other blacks.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-300

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 8 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Spec Black I10-2001

Applications

-Direct printing -Light to dark colored garments -Cotton, cotton blends & polyester

Features

-Smooth body -Great coverage -Clears well -No build-up

General Info:

Spec Black is our intermediate black that contains a soft creamy body, though not as creamy as our Black Cream. This black is very popular with manual and automatic printers.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-300 (Ideal 160)

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&SBase (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 8 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Majestic Black I-10-2195

Applications

-Direct printing -Light to dark colored garments -Cotton, cotton blends & polyester

Features

-Smooth body -Great coverage -Clears well -No build-up

General Info:

Majestic Black is our economical black that works great for manual or automatic printers. This particular black holds good edge definition while providing a soft hand. Though the body of this black is slightly stiffer than our higher quality blacks, it still prints just as easily.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-300 (Ideal 160)

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 8 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Printer's Ink Matching System (PIM)

Applications	
-Black, colored or white garments	Features
-For accurate color matching	-Extremely opaque
-Cotton	-PANTONE approved
-Cotton/Polyester, Acrylic &	-Low build-up
Polyester garments (with LB underlay)	-Intense color

General Info:

The W.M. Plastics "PIM" system consists of 17 colors, including fluorescents, that can be used to match PANTONE[®] colors or as direct print inks. All colors have great wet-on-wet print properties and contain a creamy body making them easy to print with. All colors are evaluated by our stringent QC process to ensure the colors are consistent from one batch to the next so your PANTONE[®] match every time.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-305

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020)), extend color use Soft-hand Base (I10-0111) & for dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 9 seconds, just enough so the surface is tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

(Refer to Standard Color-card for color reference)

I-65-3000	PIM Yellow	I-65-7000	PIM Orange
I-65-4000	PIM Green	I-65-9000	PIM White
I-65-5001	PIM Marine	I-65-8001	PIM FIs Pink
I-65-6001	PIM Red	I-65-8002	PIM Fls Magenta
I-65-6000	PIM Scarlet	I-65-8003	PIM FIs Yellow
I-65-3001	PIM Gold	I-65-8004	PIM FIs Purple
I-65-5000	PIM Blue	I-65-8005	PIM FIs Blue
I-65-5500	PIM Violet	I-65-8006	PIM Fls Orange
I-65-2000	PIM Black		_

Bases & additives

General Info:

Bases and additives are designed to allow a printer to modify a standard ink to achieve a specific effect or characteristic.

Name	Effect	Color	Curable	Base/Additive	Max PC	To Achieve Effect
Puff Base 10-9950	Mixing puff colors from PC	Non pigment	Yes	Base	25%	
Hot Split Base 41-1004	Mixing Hot Split color from PC	Opaque	Yes	Base	20%	
Opaque Base 12-1002	Mixing colors from PC	Filled	Yes	Base	28%	
Suede Base 10-9958	Mixing puff suede color from pc	Non pigment	Yes	Base	20%	
Gel clear 10-9910	Creates a super high gloss, wet effect when printed as an overcoat	Clear	Yes	Base	10%	
G & S Base 10-1020	Foil Printing / Foil Adhesive	Clear	Yes	Base	15%	
Just Soft Base 66-2250	Softens the hand of an ink	Clear	Yes	Base	15%	Up to 60%
Soft Hand Base 10-0111	Reduces tack & extends colors	Tr ansparent	Yes	Base	20%	10%
G & S Base 10-1020	Increases stretchability for lycra and similar fabrics	Clear	Yes	Base	15%	Up to 50%
Curable Reducer 10-9906	For reducing viscosity	Clear	Yes	Additive	15%	Up to 15%
Nylon Additive YAL-200	Bond to nylon & similar fabrics	N/A	No	Additive	N/A	10 to 15%
Hotsplit Additive 10-9908	For making hotsplit inks	N/A	No	Additive	N/A	10%
Suede Additive 10-9907	Creates a soft velvet puff ink	N/A	No	Additive	N/A	10%
Puff Additive 10-9903	Creates a puff ink. Surface is rougher than a suede puff	N/A	No	Additive	N/A	10 to 15%
Powder Thickner 56-1002	Increases viscosity of inks.	N/A	No	Additive	N/A	Up to 2%
Dulling Additive 10-9907	Dulls the gloss of inks	N/A	No	Additive	N/A	Up to 5%

Special Effects

<u>Flat High Density Color</u>	<u>Parts</u>
Ink Color	<u>45</u>
I-10-1020	<u>45</u>
I-10-9910	<u>5</u>
I-56-1002	<u>1</u>
I-10-9958	<u>4</u>
<u>Gloss High Density with Stretc</u>	<u>Parts</u>
Ink Color	<u>49.5</u>
I-10-1020	<u>49.5</u>
I-56-1002	<u>1</u>

Stretch Inks	<u>Parts</u>
Ink Color	<u>70</u>
110-9910/10-1020	<u>30</u>
Note: For maximum stretch, pr	int I-10-9910 down

Lustre, Glitter & Metallic Inks

Applications	
-Black, colored or white garments -Unique effects -Cotton -Cotton/Polyester, Acrylic & Polyester garments (with LB underlay)	Features -Easy to print -Bright and outstanding effects -Great coverage

General Info:

These inks are designed to stand out on garments by providing a unique appearance that will catch anyone's eye. Available in an array of colors and contains great opacity to cover the dark garments.

Bleed Resistance: None

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: Lustres 86, Glitters 40, Crystalina 40 & Metallics 110

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), extend color use Soft-hand Base (I10-0111) & for dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds. Because metallics and lustres reflect it may be necessary to increase temperature and dwell time.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

I-10-1113Lustre CopperI-10-1107Lustre GreenI-10-1105Lustre Purple

I-10-1102	Glitter Gold
I-10-1103	Glitter Silver
I-10-1104	Glitter Crystalina
I-10-1100	Metallic (Handwash) Silver
I-10-1101	Metallic Gold

Note: I-10-1101 Metallic Gold will tarnished in the container over time, therefore it should be used immediately and ordered only as needed.

Glow-in-the Dark

Applications

-Direct printing -White garments -Cotton -Cotton/Polyester, Acrylic & Polyester garments (with LB underlay)

Features

-Ready to use
-Extremely bright
-Long lasting
-Glows a brilliant green

General Info:

Great for novelty items. Our glow-in-the-dark ink has an extremely high pigment loading, compared to other manufactures, therefore providing a brighter and more long lasting glow. I-10-9965 is ready to print, but WM does offer the powder and base for sale so the printer can mix his own glow ink at any strength he wishes.

Bleed Resistance: None

Opacity: Medium

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-110

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: Reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), puff use Puff Additive (I10-9903), extend color use Soft-hand Base (I10-0111) & for suede puff or dulling use Suede Additive (I10-9907).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 9 seconds, just enough for the surface to be tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Hotsplits

Applications	
-Black, colored or white garments	Features
-Transfers	
-Cotton	-Easy to print
-Cotton/Polyester, Acrylic &	-Soft, creamy body
Polyester garments (with LB underlay or if formulated as LB)	-Great coverage
T offyeotor garmonte (with Eb andenay of it formalated as Eb)	-Wide range of colors

General Info:

Our hotsplit series is designed to achieve a direct print look with a soft hand and superior detail. Compared to conventional transfer inks, this series has a nice body making it easy to print.

Bleed Resistance: Low

Opacity: High

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: Light color garment 100-195, Dark color garment 60-86

Stencil: Any direct emulsion or capillary film.

Paper: Must use hotsplit transfer paper. Always pre-shrink the paper by running it through the dryer prior to printing.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020), extend color use Soft-hand Base (I10-0111).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Squeegee Blade: Sharp.

Fusion/Curing: 210°F for 30 seconds in dryer, then transfer onto garment at 360F at 40 psi for 8 seconds. Each color is printed then cured.

Print Order: Print colors in reverse order (last color first).

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

(Most colors are represented on the standard color-card)

JB-9009	HS White	I-41-6003	HS Brite Red
I-41-2000	HS Black	I-41-6079	HS Scarlet
I-41-2001	HS Pantone 429	I-41-9003	HS Puff White
I-41-3006	HS Gold	I-41-1001	HS Neutral Base
I-41-3015	HS Yellow Gold	I-41-9005	HS Litho White
I-41-4038	HS Kelly Green	I-41-9910	HS Printable Adhesive
I-41-5002	HS Navy	ADT-8000	Transfer Powder
I-41-5054	HS Royal	I-10-9908	HS Additive

4-Color Process Inks

Applications

-Direct printing -White garments -Cotton -Cotton/Polyester, Acrylic & Polyester garments (with LB underlay)

Features

-Ready to use -Extra creamy body -Brilliant colors

General Info:

4-Color Process inks were designed to allow the printer to achieve a multitude of colors within the color spectrum by using a minimal number of inks.

Bleed Resistance: None

Opacity: None

Storage: Ideally 65 to 80°F. Keep out of direct sunlight.

Mesh: 280 and up

Stencil: Any direct emulsion or capillary film.

Artwork: Separations are critical to the success of printing these inks.

Modifications: To reduce viscosity use Curable Reducer (I10-9906) & to extend color use Soft-hand Base (I10-0111).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: Not recommended.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

I-10-8903	4/C Yellow	I-10-8906	4/C Magenta
I-10-8902	4/C Cyan	I-10-8902	4/C Black

4-Color Process Inks Cont.

Recommended Procedures for Process Colors

1:Set machine pressure just enough to achieve good coverage. Once set do not adjust pressure or it will alter the final shades

2: Print each of the four colors separately, preferably on the same type of fabric to be used for production. If each color appears strong and vibrant, proceed to the next step, if not, repeat step one.

3: Print Yellow and Magenta together and evaluate the resulting orange tones against the color key provided by the separator. If the oranges are too yellow add I-10-0111to the yellow to weaken the color strength. If the orange is too red, add the I-10-0111 to the magenta to weaken the color strength.

4: Print Magenta and Cyan together and evaluate the purple tone to the color key. If the purple is too blue add I-10-0111 to the Cyan. If the purple is too red add I-10-0111 to the Magenta. If the Magenta is adjusted in this stepyou must repeat step one.

5. Now print all colors together and evaluate the Black. If the Black is too strong add I-10-0111

6. Now print all colors, lightest to darkest, together and compare to the color key.

7. Once the color key has been matched production may begin. Keep the setup as stable as possible. Increasing or decreasing squeegee pressure or the number of strokes will change a color's value and alter the overall print.

Color	Y	Х	Y
Cyan	18.094	0.1671	0.2625
Magenta	13.51	0.5122	0.3106
Yellow	74.706	0.4582	0.492
Cyan Yellow	16.919	0.2971	0.5016
Magenta Yellow	20.862	0.4828	0.3971
Cyan Magenta	6.344	0.2627	0.2531
Cyan Magenta Yellow	11.364	0.3323	0.4335
Black	4.819	0.3323	0.4335
White	93.102	0.3161	0.3346

Ink Values for Adobe Photoshope

Athletic Inks

Applications

-Athletic uniforms -Mesh jerseys -Lycra/Spandex

Features

-Extremely durable -Glossy Finish -Super Opaque -Available in any color

General Info:

Formulated to provide an opaque, glossy and durable print for athletic applications. Great for printing large letters, numbers and designs on cotton & nylon mesh, that require a heavy ink deposit. This ink can also be printed onto Lycra/Spandex garments with the use of our I-10-1020 base/additive.

Bleed Resistance: None

Opacity: Excellent

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86-110

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Can be printed wet-on-wet to increase production.

Modifications: To reduce viscosity use Curable Reducer (I10-9906), improve stretch use G&S Base (I10-1020) & extend color use Soft-hand Base (I10-0111)

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: 700°F for 9 seconds, just enough for the surface to be tack free.

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds. Because athletic inks have a heavier ink deposit, it may be necessary to increase temperature and dwell time.

Wash-up: Any plastisol cleaner.

Direct Print Reflective Ink

Applications

-E.M.S uniforms -Novelty garments -100% cotton

Features

-Excellent print & wash properties -Ready to print -Available as a base, Silver or Gold

General Info:

Designed as a ready-to-use ink that reflects with most light sources. This series has a very smooth body allowing it to easily release from the screen unlike most other reflective inks. This product is great for construction crews, fire departments or any niche market that needs a print that reflects when exposed to light.

Bleed Resistance: None

Opacity: Low

Storage: Ideally 65° to 80°F. Keep out of direct sunlight.

Mesh: 86

Stencil: Any direct emulsion or capillary film.

Wet on Wet Printing: Should be printed wet-on-wet.

Modifications: To reduce viscosity use Curable Reducer (I10-9906).

Squeegee Hardness & Angle: Medium to hard at a 45 degree angle.

Flashing: DO NOT FLASH

Squeegee Blade: Sharp.

Fusion/Curing: 325°F/160°C for 1 to 1 ½ minutes. Oven temperature can be increased and dwell time decreased. For heat presses use 390°F/195°C for 8 seconds.

Wash-up: Any plastisol cleaner.

Special Notes: PVC inks are thermoplastic compounds that require heat to fuse or cure. If ink rubs off on a white cloth or cracks, temperature and/or dwell time should be increased. Do not dry clean and always test on fabric to be printed.

Standard Colors:

I-62-1010 Reflective Silver I-62-1013 Reflective Base I-62-1011 Reflective Gold

ECO Aqua Pura Series (Water-Based)

A "True Environmentally Friendly Ink"

-Stretch prop -Can be air-d -Cleans up w	
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General Info:

The Eco Aqua system is a newly developed water-based polymer system that provides the printer with a broader range of curing temperatures. These inks require no heat to cure, giving the printer the option to air dry or use a low heat air assist method to speed up the drying process. The use of high heat is not recommended for these ink; therefore, making this series the most bleed resistant ink on the market. This system is PVC and Phthalate free, conforming to all EC guidelines for non-PVC and non-Phthalates in the production of textile screen printing inks. Eco Aqua Inks can be used as direct print inks or for color-matching Pantones[®], based on our PIM matching system.

Mesh: 40-240

Stencil: Any water-resistant direct emulsion or capillary film.

Wet on Wet Printing: Depending on design, it may be best to dry after each color.

Screen Preparation: Screen must be wiped down with 69-0011 Eco Aqua Screen Prep Spray. This step is very important, it keeps the screen from choking.

Ink in screen: Requires large amounts of ink in screen.

Printing: Screen must be heavily flooded after each stroke to prevent choking.

Flashing: Use low temperature (160° F) with a lot of air volume.

Heat Assist: Set the oven temperature to 160° F with a lot of air volume. The printed area should be dry to the touch. Once dry to the touch, garments can be stacked and packaged.

Printing Procedures: Ink & screen should be misted with 66-0011 Prep Spray periodically, rate of misting depends on speed and temperature of printing conditions.

Break in Production: It is best to finish run before breaking, but if this is not possible then heavily flood the screen and spray heavily with 69-0111 Prep Spray.

Clean-up: Should be cleaned immediately after printing with soapy water. If screens can't be cleaned immediately after printing, the screens can be stored in a tank with water and a small amount of ammonia based cleaner for a short period of time.

Ink Ghosting: Any strong Dehaze will work.

ECO Aqua Pura Series (Water-Based)

A "True Environmentally Friendly Ink"

Basic Colors

Standard Colors:

(Refer to PIM Color-card for color reference)

 69-0003 ECO Aqua Pura Foil Adhesive 69-0050 ECO Aqua Pura 4/C Process Cyan 69-0060 ECO Aqua Pura 4/C Process Magenta 69-0070 ECO Aqua Pura 4/C Process Yellow 69-0080 ECO Aqua Pura 4/C Process Black 69-0011 ECO Aqua Pura Prep Spray 69-1000 ECO Aqua Pura Clear 69-1500 ECO Aqua Pura Printable Adhesive 69-2000 ECO Aqua Pura Black 	69-3000 69-3001 69-4000 69-5000 69-5001 69-5500 69-6000 69-6001 69-9000	ECO Aqua Pura Lemon ECO Aqua Pura Gold ECO Aqua Pura Green ECO Aqua Pura Blue GS ECO Aqua Pura Marine ECO Aqua Pura Violet ECO Aqua Pura Scarlet ECO Aqua Pura Red ECO Aqua Pura White
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Enhance Additives (ENAD)

Part Number	Description	Effect
69-0000	Aqua Pura Reducer	Reduces Viscosity Add up to 20%
69-0011	Aqua Pura Screen Prep	Slows Drying Time
69-0013	Aqua Pura Retarder	Slows Drying Time Add 1 to 3%

Special Effects

<u>Printing on White Fabrics</u>	<u>Parts</u>
ECO Aqua Color	<u>40</u>
69-0000 ECO Aqua Pura Reducer	<u>20</u>
69-1000 ECO Aqua Pura Clear	<u>40</u>
Pultra Soft Colors for White Fabrics	<u>Parts</u>
ECO Aqua Color	25
69-0000 ECO Aqua Pura Reducer	50
69-1000 ECO Aqua Pura Clear	25
<u>Metallic or Glitter Inks</u> 69-1000 ECO Aqua Pura Clear 69-0003 ECO Aqua Pura Foil Adhesive Metallic or Glitter Pigment for water ink	
Transfer Printing	

69-1500 ECO Aqua Pura Printable Adhesive -Adhesive to be printed last

Stretch Fabrics

69-1000 ECO Aqua Pura Clear -Print clear as underlay or seal coat on fabric

Gloss Top Coat

69-1000 ECO Aqua Pura Clear -Print over desired area for high gloss effect

Flock Printing

69-0003 ECO Aqua Foil Adhesive -Print an underlay, flash then print 2nd layer of adhesive Print flock on top of second layer before it drive

-Print flock on top of second layer before it dries

STANDARD COLORS

Dallas Gold JB-3125-AP	Primrose JB-3135-AP 10-3014LB	Lemon JB-3122-AP 10-3002LB	Yellow Gold JB-3209-AP 10-3006LB	Lt Gold 10-3001-LB	Gold JB-3303-AP 10-3372-LB
Brite Orange JB-7109-AP JB-7109-HO	Brite Red JB-6056-AP JB-6056-HO JB-6056-LB	Scarlet JR-6420-AP I-11-6438LB	Drake Red JW-6008-HO	Cardinal JB-6247-AP JB-6247-LB	Maroon JB-6251AP JB-6251-LB
Violet JB-5525-AP	Russell Purple JW-5666-AP JW-5666-LB	Navy JB-5011-AP	Lt Navy JR-5332-AP JR-5332-LB	Royal JN-5001-AP JN-5001-LB	Marine Blue JB-5013-AP JB-5013-HO
Lt Royal JW-5273-AP	Brite Royal JB-5042-AP JB-5042-HO	Lt Reflex Blue JB-5104-AP	Sky Blue JB-5048-AP JB-5048-HO JB-5048-LB	Lt Blue JB-5120-AP JB-5120-HO	Turquoise JB-5040-AP JB-5040-HO
Lt Gray JB-2250-HO JB-2250-L	Dk Brown JB-2065-HO	Lt brown JB-2050-HO JB-2050-LB	Dallas Green JB-4030-AP JB-4030-HO	Kelly Green JB-4053-AP JB-4053-HO JB-4053-LB	Forrest Green JB-4238-AP
		FLUOR	ESCENTS		
165C JC-1650	200C JC-2000	Lemon 11-8250-HO	Yellow 11-8536-HO	Orange 11-8535-HO	Yellow 4/C 10-8903
186C JC-1860	162C JC-1620	Magenta 11-8515-HO	Pink 11-8534-HO	Red 11-8530-HO	Cyan Blue 4/C 10-8902
187C JC-1870	286C JC-2860	Green 11-8532-HO	Blue 11-8531-HO	Violet 11-8533-HO	Magenta 4/C 10-8906

PIM COLOR CARD Printers Ink Matching System

Pim Yellow 100%	Pim Yellow 90%	Pim Yellow 50%	Pim Yellow 10%	Pim Yellow 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Green 100%	Pim Green 90%	Pim Green 50%	Pim Green 10%	Pim Green 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Marine 100%	Pim Marine 90%	Pim Marine 50%	Pim Marine 10%	Pim Marine 1 %
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Red 100%	Pim Red 90%	Pim Red 50%	Pim Red 10%	Pim Red 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Scarlet 100%	Pim Scarlet 90%	Pim Scarlet 50%	Pim Scarlet 10%	Pim Scarlet 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Gold 100%	Pim Gold 90%	Pim Gold 50%	Pim Gold 10%	Pim Gold 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Orange 100%	Pim Orange 90%	Pim Orange 50%	Pim Orange 10%	Pim Orange 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Blue 100%	Pim Blue 90%	Pim Blue 50%	Pim Blue 10%	Pim Blue 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Violet 100%	Pim Violet 90%	Pim Violet 50%	Pim Violet 10%	Pim Violet 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%
Pim Black 100%	Pim Black 90%	Pim Black 50%	Pim Black 10%	Pim Black 1%
Pim White 0%	Pim White 10%	Pim White 50%	Pim White 90%	Pim White 99%

Certificate of Compliance

This is to certify that W.M. Plastics screen inks are in compliance with Consumer Products Safety Act, Title 16, Part 1303 and Federal Hazardous Substance Act Part 16 regarding banning of lead content and certain phthalate plasticizers.

Embodied in these regulations is The Product Consumer Safety Act of 2008 (HR4040) regarding further stringent requirements regarding lead reduction in children's toys, and child care products. The federal regulations apply to toys and/or children care products that are placed in direct contact of the mouth. W.M. Plastics screen inks comply with the spirit of these regulations and are intended to be used in textile applications.

W.M. Plastics screen inks were manufactured in the United States and does not contain: di-2-ethylhexyl phthalate (DEHP), CAS Registry number 117-81-7 di-butyl phthalate (DBP), CAS registry number 84-74-2 butyl benzyl phthalate (BBP) CAS registry number 85-68-7 di-iso decyl phthalate (DIDP) CAS registry number 68-515-49-1 di-iso nonyl phthalate (DINP) CAS number 28553-12-0 di-n-octyl phthalate (DnOP) CAS number 68-515-45-7

None of the screen printing inks contain nor were manufactured with class I or class II ozone depleting substances.



Test Report No.2540089-CH01-R1 Date: October 14, 2011 Page 1 of 6 W.M. Plastics, Inc. 4237 Raleigh Street Charlotte, NC 28213 **United States** This report supersedes all previous documents bearing the test report number 2540089-CH01. The following sample(s) was/were submitted Screen Inks and identified by/on behalf of the client as: Color: Various Sample/style #: 66; 68 Series Inks, Plus (3) unknowns Sample Received Date: 9/30/2011 **Testing Period** 10/11/2011 - 10/12/2011

Test Requested : Please refer to the result summary.

Test Method & Results

Please refer to next page(s).

Result Summary

Test Requested	Conclusion
CPSIA Section 101(f) – Lead in paint/similar surface coating materials	PASS
CPSIA Section 108 – Phthalates	PASS

Signed for and on behalf of SGS North America

Christina Crimi Assistant Laboratory Manager, Chemistry Laboratory

Prepared By:

layere

Veronica Marrero Report Writer, Chemistry Laboratory

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1) Lead in paint/similar surface coating material

Method: CPSC Test Method: CPSC-CH-E1003-09.1 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings' (or accredited test method)

Test item	1	2	3	Permissible Limit
Lead (Pb)	ND	ND	ND	0.009 %
Conclusion	PASS	PASS	PASS	

Test item	4	<u>5</u>	Permissible Limit
Lead (Pb)	ND	ND	0.009 %
Conclusion	PASS	PASS	

Sample Description :

- 1. 66 Series Black
- 2. 66 Series White
- 3. 66 Series HP2
- 4. 68 Series Base
- 5. 65/66 Series PIM

Note: 1. % = percentage by weight

2. 1% = 10000ppm (mg/kg)

3. ND = not detected

4. Method Detection Limit = 0.002 %

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2) Phthalates

Method: With reference to CPSC-CH-C1001-09.3. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Conclusion	ND PASS	ND PASS	0.018 %	0.1 %
Di-n-octyl Phthalate (DNOP) Diisodecyl Phthalate (DIDP)	ND	ND	ND	0.1 %
Diisononyl Phthalate (DINP)	0.030 %	0.029 %	0.026 %	0.1 %
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	ND	ND	0.1 %
Benzylbutyl Phthalate (BBP)	ND	ND	ND	0.1 %
Dibutyl Phthalate (DBP)	ND	ND	ND	0.1 %
<u>Test item</u>	<u>1</u>	2	<u>3</u>	Permissible Limit

<u>Test item</u>	<u>4</u>	<u>5</u>	Permissible Limit
Dibutyl Phthalate (DBP)	ND	ND	0.1 %
Benzylbutyl Phthalate (BBP)	ND	ND	0.1 %
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND	ND	0.1 %
Diisononyl Phthalate (DINP)	0.024 %	0.028 %	0.1 %
Di-n-octyl Phthalate (DNOP)	ND	ND	0.1 %
Diisodecyl Phthalate (DIDP)	ND	0.015 %	0.1 %
Conclusion	PASS	PASS	

Sample Description :

- 1. 66 Series Black
- 2. 66 Series White
- 3. 66 Series HP2
- 4. 68 Series Base
- 5. 65/66 Series PIM

Note : 1. % = percentage by weight

- 2. ND = not detected
- 3. Method Detection Limit = 0.015 %

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Sample Photo:



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SGS authenticates the photo on the original report only

*** End of Report ***

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Laboratory Summary Information for Certificate of Compliance (COC)

I (we) hereby confirm based on the test results in this report, that the product or components described below were tested and comply with the applicable rules, bans, regulations and standards under the CPSIA (Consumer Product Safety Improvement Act) or any other Act enforced by the CPSC and checked on the list below.

Product/Component description provided by submitter: S

Screen Inks Color: Various Sample/style #: 66; 68 Series Inks, Plus (3) unknowns

Safety Regulation Citations

- Wearing Apparel Flammability 16 CFR 1610
- Flammability Standard for Children's Sleepwear 16CFR 1615 and 1616
- Small Parts 16 C.F.R Part 1501 and 1500.50 53
- Sharp Points and Edges 16CFR 1500.48 and 49
- Lead Paint Ban 16 C.F.R. 1303
- Lead in substrate CPSIA Section 101
- Federal Hazardous Substances Act 15 U.S.C 1261
- Phthalates CPSIA Section 108
- Flammability of Carpets and Rugs (16 CFR1630 and 1631)
- Flammability of Mattress Pads (16 CFR 1632)

Date of testing:

Date of TP testing: 10/11/2011 - 10/12/2011

TPCA (Third Party Conformity Assessment Body):

Place of TP testing: USA

Test Report Number: 2540089-CH01-R1

TPCA name: SGS Consumer Testing Company

TPCA address: 291 Fairfield Ave., Fairfield, NJ 07004

TPCA Contact Person: Christina Crimi

The information on this sheet is ONLY applicable for the item tested in this report and only reflects confirmation of items covered under CPSIA regulation.

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Disclaimer: The certification and statement provided in this catalog is evidence that WM inks and the process in which the inks are manufactured have been thoroughly tested and are Phthalate-Free and are in compliance with the banning of lead when the product leaves the manufacturing facility; thus, WM Plastics, Inc. is not liable for any claim once the product has shipped. Please note, due to many variables involved in the printing process contamination is a possibility; therefore, it is up to the printer to certify their process and the final product and provide this certification to their customer. Page Intentionally Left Blank



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