



MATSUI INTERNATIONAL CO. INC.

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PRODUCT DATA SHEET

PRODUCT IDENTIFICATION: Chromicolor® Gravure Ink FN Base

GENERAL INFORMATION

Chromicolor® Gravure Ink FN Base is a water-based, temperature sensitive colorant for gravure or flexo printing onto paper.

PRODUCT SPECIFICATIONS

Composition:

	<u>Chromicolor® Gravure Ink FN Base</u>	<u>Gravure Clear B</u>
Binder	1 %	
Water	49 %	65 %
Chromicolor®	50 %	
Resin		20 %
Ethanol		15 %
Total (weight %)	100%	100%

Physical Properties:

	<u>Chromicolor® Gravure Ink FN Base</u>	<u>Gravure Clear B</u>
Nature	Colored viscous paste	Milky white paste
Specific Gravity	1.05 +/- 0.05	1.03 +/- 0.05
Viscosity	1,000 – 3,000 cps (at 25° C)	100 – 400 cps (at 25° C)
Flash Point	N/A	N/A
<u>Solids, theoretical:</u>	Chromicolor® Gravure Ink FN- Gravure Clear B -	50 +/- 3% 25 +/- 3%
<u>Density, as shipped:</u>	Chromicolor® Gravure Ink FN - 1.05 +/- 50 g/liter Gravure Clear B - 1.05 +/- 50 g/liter	

Optional primers & pretreatments: None required

Solvents: Viscosity reduction: water
Solvents: Increase viscosity: acrylic acid thickener

Clean - up: water

POT LIFE OF MIXED PREPARATION: 8 hours

COATING MATERIAL PREPARATION

Chromicolor® Gravure Ink FN Base	50 parts
Gravure Clear B	50 parts
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Total	100 parts

SUBSTRATE PREPARATION

None required

APPLICATION EQUIPMENT

Use gravure roller with depth of at least 60µ and 100 lines / inch. Chromicolor® is not very opaque so you need to lay down as much ink as possible to get good color intensity.

APPLICATION PROCEDURE

Mix ink thoroughly before using and continually during printing process.

Apply ink.

Use slow printing speed.

Dry ink – no heat treatment necessary.

Make sure PH of ink is below 8.5

SHELF LIFE, STORAGE, SAFETY, HANDLING

Shelf life: Shelf life of color base is 6 months
Shelf life of Clear B is one year

Storage: Store in a cool, dry area below 40° C (104°F)

Safety, Handling: Do not inhale the paint fumes.
Avoid skin contact.
Protective clothing should be worn at all times when using this product. (safety glasses, gloves)

Lead time: 4 weeks

FOR SPECIFICS PLEASE REFER TO MSDS