



MATSUI INTERNATIONAL CO. INC.

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PRODUCT DATA SHEET

PRODUCT IDENTIFICATION Chromicolor® Epoxy Spray Paint H System

GENERAL INFORMATION

Chromicolor® Epoxy Spray Paint is a temperature sensitive colorant for coating of metal products.

PRODUCT SPECIFICATIONS

Composition:

	<u>Chromicolor® Epoxy Spray Paint</u>	<u>Epoxy White</u>	<u>Epoxy Clear H</u>	<u>Epoxy Fixer H</u>
Epoxy Resin	69	69	99	--
Chromicolor®	30	--	--	--
Silicone Oil	1	1	1	--
Titanium oxide		30	--	--
Denatured Amine				
Curing Agent	--	--	--	96
Pulverized Silica	--	--	--	4

Physical Properties:

	<u>Chromicolor® Epoxy Spray Paint</u>	<u>Epoxy White</u>	<u>Epoxy Clear H</u>	<u>Epoxy Fixer H</u>
Nature	Colored viscous paste	White viscous paste	Transparent viscous paste	Light Yellow viscous paste
Specific Gravity	1.14 +/- 0.05	1.42 +/- 0.05	1.13 +/- 0.05	1.10 +/- 0.05
Viscosity	15,000 (25°C) - 25,000 cps	3,000 (25°C) - 4,000 cps	1,000 +/- 300 cps (25°C)	30,000 (25°C) - 40,000 cps
Flash Point	130°C	130°C	130°C	254°C

Solids, theoretical:

Epoxy White – 30%
Epoxy Spray Paint Color Base – 30%
Epoxy Clear H – 0%
Epoxy Fixer H – 4%

Density, as shipped:

Epoxy White – 1.42 +/- 0.05 kg/l

Epoxy Spray Paint Color Base – 1.14 +/- 0.05 kg/1
 Epoxy Clear H – 1.13 +/- 0.05 kg/1
 Epoxy Fixer F – 1.10 +/- 0.05 kg/1

Optional primers & Pretreatments:

Use Epoxy White plus Epoxy Fixer H as a base coat if it is necessary to hide the foundation color of the substrate. Chromicolor® need to be printed on top of a white or light colored substrate due to their lack of opacity.

Solvents:

Viscosity reduction: Xylene

Clean-up: Xylene

POT LIFE OF MIXED INK: 2 – 3 hours

COATING MATERIAL PREPARATION

	<u>Formula of Base White Paint</u>	<u>Formula of Chromicolor® Paint</u>	<u>Formula of Top Coat Paint</u>
Epoxy White	100	--	--
Color Base	--	100	--
Epoxy Clear H	--	--	100
Epoxy Fixer H	40	40	58
Xylene	50	50	50
TOTAL	190	190	208

RECOMMENDED VISCOSITY: Base White Paint: 400 – 600 cps (25°C)
 Chromicolor® Paint: 500 – 800 cps (25°C)
 Top Coat Paint: 500 – 800 cps (25°C)

SUBSTRATE PREPARATION

Degrease substrate with solvent. (I.P.A for example)

APPLICATION EQUIPMENT

Spray gun. Make sure orifice of gun is large enough to permit the passage of 50µ particle size.

APPLICATION PROCEDURE

Base White Paint – Apply approx. 60 g / m2 with spray gun. Let air dry for 5 minutes. Bake at 140°C (284°F) for 20 minutes.

Chromicolor® Paint – Apply approx. 120 g / m2 with spray gun. Let air dry for 10 minutes. Bake at 140°C (284°F) for 20 minutes.

Top Coat Paint – Apply approx 60 g / m2 with spray gun. Let air dry for 10 minutes. Bake at 140°C (284°F) for 20 minutes.

First mix the white/Chromicolor®/clear with the fixer, then add the Xylene.

Recommended dry
film thickness:

Base White Paint: 30 - 35μ
Chromicolor® Paint: 75 - 80μ
Top Coat Paint: 38 - 43μ

SHELF LIFE, STORAGE, SAFETY, HANDLING

Shelf life: Shelf life of unmixed paint is 3 months.

Storage: Store in a cool, dry area.

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)
FOR SPECIFICS PLEASE REFER TO MSDS