

Hologram (HOL) Ink

Hologram (HOL) ink contains hologram treated powders that disperse lights, and can be used to create printed materials in rainbow colors. It shines like a diamond not only in sunlight, but also in the fluorescent light of a room, and its brilliance is further amplified by changing the angle of the light.

Applications	Decoration for home appliances, graphics, tamper proof watermark		
Special Features	<ul style="list-style-type: none"> · Change to rainbow colors under sunlight or weak light in a room · Red, green, and blue and other colors are spotted on one printing side · Coloring effect increases on a black base 		
Substrate	According to each ink type		
Dilution	15 to 20% (please refer to the dilution of solvent type screen ink) *Please use the solvent listed in catalog for each ink type. *Stir well before use, as special color materials have a tendency to precipitate.		
Additives	SM-40 DEFOAER 2% (For anti-foam and improvement in leveling)		
Recommended Cleaner	Screen Cleaner L2		
Mesh	T 150 to 200 mesh (Coverage is about 15 to 25 m ² /kg at T150 mesh)		
Drying/curing	According to each ink type		
Standard Colors	Particle diameter S (50×50μm) Particle diameter M (50×100μm)	851 HOL SILVER S 851 HOL SILVER M	Silver
Caution	<ul style="list-style-type: none"> · Checking before production: Adhesion and resistance properties may change due to differences in substrates, processes, printing and drying conditions. Be sure to check the adhesiveness and resistance properties before mass production printing · Ink shelf life: 6 months from production date, unopened. 		
Safety	Please refer to respective ink catalog for transportation information.		

Handling

- Use safety gloves and eyeglasses to protect skin and eyes. If the ink comes in contact with skin, wash with soap and plenty of water (or lukewarm water) and consult with a doctor.
 - Containers should be closed tightly after use and stored in a cool and dark place.
 - SDS is available upon request. Please request a copy and read it carefully before handling the products.
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Resistance

Test item	Test Conditions	Test results
Adhesion	JIS K 5600-5-6 ISO2409 1mm interval, 6×6 cellophane tape, check peel off	0(no peel)
Heat	80°C, 400 hrs., check appearance and peel off	No defect
Hot Water	JIS K 5600-6-2 ,ISO 2812-2 Soak 400 hrs., in 40°C tap water, check appearance and peel off	No defect
Humidity	JIS K 5600-7-2(Continuous condensation),60 °C 90 % RH 168 hrs.,check appearance and peel off	No defect
Acid	Soak 12 hrs. in 0.1N HCl, check appearance	No defect
Alkaline	Soak 30 min in 0.1N NaOH, check appearance	No defect
Engine Oil	Soak 1 hr. in engine oil, check appearance	No defect
Accelerated Weathering	JIS K 5600-7-7 ISO 11341 Irradiance 60W/m ² 、BP Temp.63±3°C, Raining rate 18 min/120 min, 500 hrs., check color fade and peel off	500 hrs. slight color change

*Test condition 【Ink: EG type】 【107 CATALYST 7%】 【60°C 30 min】
【T 150】 【Substrate: PC 0.5t and PET 0.188】

*Above resistance test results are measured results in our laboratory and they are not guaranteed values.

*Information contained in this catalog may change without prior notice.

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