



Semi-irreversible thermochromic colorant **Thermolock AQ Ink**

Product Outline

Thermolock is a semi-irreversible thermochromic colors. Once Thermolock Colors is heated above the disappearing color, it will not return back to color under normal Temp..

Thermolock AQ Ink is aqueous base slurry in high concentration that can be compounded into various waterbased pastes.

Property

	Thermolock AQ Ink
Appearance	Various Color Paste
Component	Microcapsulized Thermochromic colorant / Water
Ave. Particle Size	2.0 ~ 3.5 μ m
pH	6.5 $\pm$ 0.5
Density (g/cm ³)	1.09 $\pm$ 0.05
Viscosity (mPa $\cdot$ s) (at 25°C)	400 ~ 6,500
Ionicity	Anionic
Solid Conten	50.0 $\pm$ 2.0%

Color / Temp. Types

Available Colors; 5 colors

- Gold Orange
- Vermilion
- Magenta
- Fast Blue
- Fast Black

Temperature Types

- Type #11
- Type #23
- Type #39
- Type #48
- Type #55
- Type #60☆
- Type #72
- Type #79☆

☆#60,#79 are regular product.

Considerations

- Keep sealed and store in dark place under 30°C. Shelf Life ; 6 months.
- During a long period of storage, a separation may happen. Stir well before each use.
- Slight amount of formaldehyde is contained.
- Thermolock AQ Ink is weak against moisture-heat, so it may not be suitable for the combination process with dyestuff printing.
- This product has slightly weak light-fastness (not only Sunlight but any lights),so pre-test is a must to judge the suitability.
- In its formula, there are TSCA SNUR concerned substances. Please, carefully refer the SDS.

*Carefully test to see the applicability before bulk use.



MATSUI SHIKISO CHEMICAL CO., LTD.

Head office : 64, Kamikazan Sakuradani, Yamashina-Ku,
Kyoto 607-8466, Japan
TEL.075-594-5612