

KIWALITE

REFLECTIVE SHEETING

**PRODUCT
BULLETIN**

No.KL-31400

KIWALITE Transparent Screen Printing Inks

— KSP Series : One-pack —

Products Description

KIWA CHEMICAL INDUSTRY CO., LTD.

FILMS DIVISION

DESCRIPTION

“KIWALITE” KSP Series Screen Printing ink is quick dry, mono component type which is designed for use in the production of traffic control signs using “KIWALITE” High Intensity Grade #22000 series reflective sheeting. Signs made using these materials will have a similar appearance when viewed from a vehicle in daytime or nighttime.

KSP Series ink is applied by conventional screen processing.

AVAILABLE COLORS

The following colors and thinner are available.

Colors	:	KSP-204 Yellow	KSP-207 Green
		KSP-205 Orange	KSP-208 Blue
		KSP-206 Red	KSP-201 White (Opaque)
		KSP-216 Dark Red	KSP-209 Black (Opaque)

Thinner : K-20T

Thinner/Retarder : K-30T

* KSP series ink should not be mixed with any other series inks or any other manufacturer inks.

PREPARATION of INKS

KSP series inks

KSP Series Inks : 100 (by weight)

K-20 Thinner : 0 - 5 (Max)

DRYING

Use drying racks for drying after screen printing and clear coating by means of air dry or oven dry.

Air dry (20~25°C, 60%RH) Tack free after 30~50 minutes and completely dry
after 6~12 hours

Oven dry (Less than 65°C) Tack free after 10~15 minutes and completely dry
after 30~40 minutes

In case screen and cleared sheeting is to be stacked for storage, packaging and transportation, it is recommend to air dry for additional 2~3 days. As drying of inks are often influenced by such conditions as temperature, humidity and the air flow, please find out the optimum conditions through trials.

- * Do not add drying agent and other additives to the inks.

PRINTING METHOD and INK CONSUMPTION

Print with 'off-contact' method. Using more than 180 mesh monofilament synthetic screen. Printable area may vary depending on the type of printing machine and printing process.

CLEAR COATING

Though clear coating is not always required, we recommend clear coating with KSP-A clear on the printed or overall areas if the screened sheeting is intended for long exterior use or high gloss is required . Furthermore , we recommend to clear coat on such colors as yellow, orange, red, dark red and the mixed colors with these colors as these colors are not as good as other colors as to fading.

STORAGE

“KIWALITE” KSP Series inks should be stored in a cool, well ventilated and dry place and be used within one year after purchase. The cans must be tightly closed once opened as moisture may deteriorate inks and medium.

In case the printed or cleared sheeting is stored by stacking, interleaf the slip sheet or release paper (coated face) on the printed or coated surfaces.

PERFORMANCE LIFE

When “KIWALITE” KSP Series inks and medium are coated on “KIWALITE” Reflective Sheeting, the printed sheeting will have very good durability, except yellow, orange, red, dark red and the mixed colors with these colors.

HANDLING PRECAUTIONS

As “KIWALITE” KSP Series inks, medium and thinners, contain organic solvents, the direct contact to the skins and inhalation of vapor must strictly be avoided and the protective gloves, anti-organic gas masks should be used. In case it should happen that eyes and skins are exposed, wash with sufficient amount of water and consult with medical doctors immediately.

For further information, please refer to “Material Safety Data Sheet”



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— Terms and Conditions of Sales —

Although the manufacturer makes no guarantee on the absolute accuracy or completeness of the statements, recommendations and technical information and data herein contained, they are based on the manufacturer's tests which the manufacturer entrust the highest reliability.

The obligation of the manufacturer and seller shall be limited to the following scope. The manufacturer and seller shall be obligated only to replace the products which are proven to be defective. In no event shall the manufacturer or the seller be liable for any direct or consequential injury, loss or damage arising from the use of, or the incorrect use of the products. Before the use of the products, the user shall determine the suitability of the products. For the user's intended use and the user assumes all risk and liability whatsoever in connection therewith.

This guarantee limited shall not apply to the cases where administrative officials of the seller give otherwise guarantee in a signed contract agreement.