

### PRODUCT ATTRIBUTES

#### HIGHLY PIGMENTED (DEEP COLOURS MACHINE GRADE):

**K2 Colours:** Can be used for photo-printing on apparel, even on dark background with base coat of White (K2000+ / K3000+).

This allows the printer to achieve full ground coverage with minimum no. of strokes/rounds leading to higher productivity of print shop.

**K2 Opaque Colour series** is available to print directly on medium and dark fabrics..

#### HIGHLY PIGMENTED (DEEP COLOURS TABLE GRADE):

Can be also used for transfer printing (with K2 Foil/Transfer Adhesive).

#### RSL COMPLIANCE

Comply to Eco Passport and GOTS Standards.

Apparels manufactured using these will meet Oekotex100 and GOTS standards.

#### USER FRIENDLY AND SAFE:

They can be cleaned easily with water even after 1 to 2 hours and this will not have any harmful effect on the skin. (unlike Solvent based inks).

#### PRINT PROPERTIES:

**1. CROCK FASTNESS:** Prints done with these inks will give guaranteed crock rating of Wet (3-4) and Dry (4), even with darkest shades, (to be checked after 24 hours of printing & curing). Subject to proper flashing and curing.

**2. FEEL:** Dry, Soft & Smooth feel.

**3. WASH DURABILITY:** Prints done with K3 and K2 Opaque series of inks will be able to maintain softness, smoothness and stretchability even after 5 washes.

(\*at 40°C temp. with 20 gpl of ECE / Persil detergent in front loading washing m/c with 3kg of dummy fabric).

These are ironable and will not crack even after 50 washes unlike plastisol prints.

### QUALITY ASSURANCE TO RETAILERS

- Prints with Our products will show almost 90% retained performance in terms of stretch, smoothness and softness even after 5 severe wash cycles. This ensures original feel/look is maintained.
- This helps Retailers to create brand value.

## PRODUCT RANGE

Sr. No.	K2 Inks Machine Grade	K2 Opaque Inks	K2 Inks (TG)
1.	K2 Black		
2.	K2 Marine, K2 Blue G, K2 Blue R	K2 Op. Blue G, K2 Op. Blue R	K2 Blue G (TG), K2 Blue R (TG)
3.	K2 Red, K2 Brilliant Red, K2 Scarlet, K2 Orange	K2 Op. Red, K2 Op. Scarlet, K2 Op. Orange	K2 Red (TG), K2 Scarlet (TG), K2 Orange (TG)
4.	K2 Yellow	K2 Op. Yellow	K2 Yellow (TG)
5.	K2 Green, K2 Violet	K2 Op. Green, K2 Op. Violet	K2 Green (TG), K2 Violet (TG)

## CURING

The dryer temperature setting should be minimum 140°C for 150 seconds (longer driers are recommended) / 170 -180°C for 60 seconds are also ok.

Exact time and temperature should be optimized based on dryer and type of print. Ensure full drying.

## PRINTING TECHNIQUE

PHOTO EMULSIONS	Water resistant photo emulsion. <b>Test:</b> Rub ink / water on dried photo emulsion surface, it should resist scrubbing action.												
FRAMES	Aluminium to avoid contamination due to rust.												
MESH TENSION	25 - 40 N/cm. [lower than 20 Newton/cm is not recommended]												
OFF CONTACT	Min. 2 mm (between fabric and screen)												
SQUEEGEE	Square & sandwich Squeegee with shore hardness no. 60/90/60 or 70/90/70 is preferred.												
PALLETS	It is desirable to have aluminium pallets for improved heat Transfer.												
FLASH	<table border="1"> <tbody> <tr> <td rowspan="2">Photoprints</td> <td>No. of Colours</td> <td>4</td> <td>8</td> <td>12</td> </tr> <tr> <td>No. of Flashes</td> <td>1</td> <td>2</td> <td>3</td> </tr> </tbody> </table>				Photoprints	No. of Colours	4	8	12	No. of Flashes	1	2	3
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Flash attachments with airflow are highly recommended for improved productivity.													

Add K2 extender to enable fine mesh printing and designs with more than 8 colours. K2 thickener can be added along with K2 White for improved opacity and desired viscosity.

## TROUBLE SHOOTING

### FABRIC MODIFIER:

R-77: To improve wetting and flow of ink on the fabric.

### PRINT QUALITY MODIFIERS:

	Product	Dosage (%)
Very Matt Finish	K2 Matt	5 to 15
Brightness	FLSC Inks or Zycol FLSC colours (Check Formaldehyde level for FLSC inks to meet compliance standards)	1 to 5
Feel	Print softener – R55, R90, R66	1 to 3

### CLIMATE CHANGES:

Hot and Dry Conditions: Spray water intermittently

Humid Conditions: Make sure fabric is dry. Additional flash may be used (airflow through flash will help).

## STORAGE & SHELF LIFE

- Do not store in direct sun or at a temperature higher than 40°C.
- Always keep the lid closed after withdrawal of material from the can.
- Minimum shelf life of the product is 18-24 months.
- For extended storage, once the can is opened, pour 50 gms. of water on the top surface and then close the lid tightly

### DISCLAIMER:

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored. Handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.

# K2, K3 AND K2 OPAQUE COLOURS