

UV Fusion™ Process Inks

Fusion™ Process inks are a unique ink system formulated to be ITX, Benzophenone and 907 free. They cure using UV technology, but print, handle and wash up like conventional (oil based) SF inks. **Fusion™** offers an expanded water window and enhanced transfer over ink systems. They run well with or without inline UV or aqueous coatings. They may be run on conventional presses using roller company approved rollers. **Fusion™** eliminates the need for roller conditioning and special press configurations due its special vehicle formulation.

Product Features

- Formulated to be ITX, Benzophenone and 907 free
- Eliminates the need for roller conditioning when switching from conventional (oil based) SF inks
- Exceptional adhesion to a wide variety of substrates, including styrene, PVC and static cling ¹
- Foil stampable and laser imprintable²
- Excellent flow and transfer
- Suitable for IML applications
- Washes up with many conventional press washes
- Expanded water window
- Excellent press stability and color balance comparable to the best conventional litho inks
- May be coated with Aqueous or UV coating and overprint varnishes inline

¹Adhesion should always be checked when printing on plastic and film substrates prior to use

²Stampability and imprintability should always be checked prior to use.

Cure Speed

Adequate UV curing is required for this system. Cure speeds will be dependent upon film thickness, substrates and the type/condition of the UV curing equipment

Product Notes

- Due to their unique formulation these inks are only compatible with themselves. They should not be mixed with any other product lines.

SAKATA INX^{...}

Visual Communication Technology

Process Inks

Black	1462023-0025
Cyan	1462024-0025
Magenta	1462025-0025
Yellow	1462026-0025

Tack Range

165-215 @ 100 m/min⁴

⁴Tacks may vary depending on the equipment used

Typical Concentrate Viscosity range

85 - 200 poise @ 2500 sec.⁻¹

Storage and Shelf Life

- Containers should be resealed promptly after use
- Prolonged exposure to sunlight should be avoided
- For maximum shelf life (12 months from date of manufacture), closed containers should not be stored at temperatures in excess of 25°C.
- Surplus ink from press fountain should never be returned to original containers

For more information contact our technical department:

Sakata INX España

C/Mercaders, 24-26 Pol. Ind. Riera de Caldes

08184 Palau Solità i Plegamans (Barcelona)

Tel. +34 938 648 122

Fax. +34 938 645 878

e-mail: sakata.sep@sakatainx.es

[http://: www.sakatainx.es](http://www.sakatainx.es)

Fastness properties

Reference	Lightfastness	Bleed resistance			
	Blue wool	<i>Acetic Acid</i>	<i>Alkali</i>	<i>Ethanol</i>	<i>Soap</i>
1462023-0025 Process Black	8	N	A	A	A
1462024-0025 Process Blue	8	N	N	N	N
1462025-0025 Process Magenta	4	S	A	S	A
1462026-0025 Process Yellow	4	N	N	S	N

Rating Scale: N = No S = Slight A = Appreciable NDA = No Data Available

FR = Fade Resistant

NOTE: This information was obtained from the NPIRI Raw Materials Data Handbook Volume 4 – Pigments.
These are guidelines only and not intended to replace actual testing

Information in this document is based in our current knowledge. User should undertake sufficient testing in order to verify suitability of the product for the different applications and conditions. Any change in conditions or final use should be taken account.