

## INXCure™ LW EU OSF Process Inks

**INXCure™ LW (Long Wavelength) EU OSF Process Inks** are a set of 100% reactive UV inks that cure using latest UV lamp technologies. This would include LED (Light Emitting Diode) bulbs and the new iron-doped additive lamps being offered by the top press manufacturers:

LE-UV from Heidelberg

HR-UV from KBA

H-UV from Komori

LEC-UV from Manroland

They are suitable for high-end sheetfed applications

### Product Features

- Cures using various types of additive and longer wavelength types of UV and LED technology
- Excellent cure response to print at maximum press speeds
- Good rub and abrasion resistance
- Stepped tack sequence to allow for wet trapping
- Responsive density control with wide water window
- Comes quickly to color after shutdowns
- Print on a wide variety of coated and uncoated paper stocks, coated board stocks, foil stocks and metalized paper<sup>1</sup>
- Compatible with a variety of fountain solutions
- Formulated to be Benzophenone, EPD, ITX, 907 and 369 free
- May be coated with Aqueous or LE, LED or H-UV coating and overprint varnishes inline.
- INXCure™ LW Base colors are available for color matching purposes

<sup>1</sup> Adhesion should always be checked prior to use

### Product Notes

- Due to their unique formulation these inks are only compatible with themselves. They should not be mixed with any other product lines.
- The inks are highly reactive to visible light. Care should be taken with the placement of lighting in the press room.

### Process Inks

Black	1644164
Cyan	1632811
Magenta	1644163
Yellow	1644162
FR Magenta	1617356
FR Yellow	1617357

### Tack

180 - 250 @ 100 m/min<sup>2</sup>

<sup>2</sup>Tacks may vary depending on the equipment used

### Typical Viscosity range

150 - 320 poise @ 2500 sec.<sup>-1</sup>

INFORMATION IN THIS DOCUMENT IS BASED IN OUR CURRENT KNOWLEDGE. USER SHOULD UNDERTAKE APPROPRIATE 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

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### Cure Speed

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

### Fastness properties

Reference	Lightfastness	Bleed resistance			
	Blue wool	Acid	Alkali	Ethanol	Soap
1632812 Process Black	8	5	5	5	5
1632811 Process Blue	8	5	5	5	5
1632809 Process Magenta	4	2	2	4	2
1632806 Process Yellow	4	5	5	4	5
1617356 FR Magenta	6-7	5	5	5	5
1617357 FR Yellow	6-7	5	2-3	3-4	5

Note: This information is based on that provided by pigment suppliers

These are guidelines only and not intended to replace actual testing

Lightfastness values follow blue wool scale (1-8). These values refer to a solid tone printing. Lightfastness decreases when colours are intermixed

Other values go from 1 (poor) to 5 (excellent)

### Storage and Shelf Life

- Containers should be resealed promptly after use
- Prolonged exposure to sunlight should be avoided
- For maximum shelf life (up to 12 months from date of manufacture depending on storage conditions), 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  
[http://: www.inxinternational.com/sakata-inx](http://www.inxinternational.com/sakata-inx)



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