

Fusion Hybrid ITX Free

The **Fusion** of the best UV and Conventional Technology has been achieved. **Fusion™ Hybrid ITX Free** inks are a unique ink system formulated to be ITX free, which cures using UV technology, but prints, handles and washes up like conventional (oil based) SF inks.

Fusion™ offers an improved cure response, expanded water window and enhanced transfer over other Hybrid systems. It runs well with or without inline UV or aqueous coatings. Gloss back is minimal when UV coated. These inks may be run on conventional presses using roller company approved rollers. Unlike other Hybrid inks, **Fusion™** eliminates the need for roller conditioning and special press configurations due its special vehicle formulation.

Fusion™ inks are environmentally friendly; they are formulated without VOC solvents and qualify for the Soy Ink Seal.

PRODUCT FEATURES

- ITX, Benzophenone, EPD 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
- Foil stampable and laser imprintable
- Environmentally friendly formulated without VOC solvents and qualifies for the Soy Ink Seal
- Improved cure rate over other Hybrid systems
- 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
- INXCure™ Hybrid ITX Free Base colors are available for color matching purposes

REOLOGY FEATURES

range	
Tack	Viscosity
15-12 (+/-0,5)	105-185 Poises

- Tack: 1200 rpm³
- Viscosity: 2500 sec.⁻¹

(range may vary depending on the equipment used.)

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

DENSITY RANGE ON COATED STOCK

YELLOW	MAGENTA	CYAN	BLACK
0,95-1,10	1,35-1,45	1,30-1,40	1,65-1,80

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 77°F (25°C)
- Surplus ink from press fountain should never be returned to original containers