

## SUNLIT™ INTENSE

SunLit Intense is a top quality sheetfed offset ink series for 4-colour process printing. It allows printing on the widest range of paper and board with all types of sheetfed presses including 8, 10 and 12 multicolour perfecting presses. SunLit Intense is suitable for publication and commercial printing and for packaging.

SunLit Intense is based on an innovative resin/oil combination providing robust lithographic stability and excellent mechanical resistances. SunLit Intense is fast in colour and shows very low misting on modern high speed presses. On most substrates, fast setting and rapid drying allow quick work and turn or further processing of the print work (folding, cutting, stitching etc).

SunLit Intense can be coated in-line with water-based coatings or in-line/off-line with oil-based overprint varnishes to accelerate the print shop workflow. The application of UV coatings (in-line or off-line) might require the use of a primer. When printing without in-line coating, Sun Chemical does not recommend the use of IR dryers.

PROCESS COLOURS	PRODUCT CODE	LIGHT FASTNESS ISO 12040	ALCOHOL ISO 2836	SOLVENT MIXTURE ISO 2836	ALKALI ISO 2836
SUNLIT INTENSE Process Black	<b>INT24</b>	<b>8</b>	-	-	+
SUNLIT INTENSE Process Cyan	<b>INT38</b>	<b>8</b>	+	+	+
SUNLIT INTENSE Process Magenta	<b>INT39</b>	<b>5</b>	+	+	-
SUNLIT INTENSE Process Yellow	<b>INT09</b>	<b>5</b>	+	+	+
SUNLIT INTENSE Process Yellow G/S	<b>INT41</b>	<b>5</b>	+	+	+
SUNLIT INTENSE Process Black	<b>INT75</b>	<b>8</b>	+	+	+

**By its excellent lithography and mechanical resistance, SunLit Intense is the preferred solution for highest quality printwork of standardised (ISO 12647) at elevated colour strength and print contrast.**

**working for you.**



## SUNLIT™ INTENSE

### CHARACTERISTICS

Excellent mechanical resistance\*  
 Excellent lithographic stability at all press speeds  
 Excellent performance on long perfecting presses

Very good stack capability\*  
 Fast work and turn\*  
 Good gloss\*

\* Dependent on substrate

### ENVIRONMENTAL

It is Sun Chemical's policy to reduce progressively ecological impacts and resource intensity throughout the life-cycle of their products. When selecting raw materials we follow strictly the EuPIA Raw Material Exclusion List ([www.eupia.com](http://www.eupia.com)) and respect the CONEG regulation on toxic heavy metals. SunLit Intense is vegetable based and complies with EN 71/3 (suitability for toy packaging).

### PRINT STANDARDISATION (ISO 12647:2, PSO)

Some offset printers commenced to realise print standardisation according to ISO 12647:2 in their press-rooms. The entire offset workflow is regulated comprising the incoming picture data, the dot size and shape on the printing plate and the reproduction of the picture on the print. Finally, the colour of the full-tone and the dot gain of the 4 colours are specified. By their choice of pigments and by their precise dot reproduction, SunLit Intense supports the realisation of ISO 12647:2 in an offset pressroom. For achieving best results in compliance with ISO 12647:2 (PSO) use SunLit Intense Yellow G/S INT41. SunLit Intense complies with industrial standards as ISO 2846:1 (Colour).

Sun Chemical has gained a lot of expertise in print standardisation and is an official partner of FOGRA, which is one of the certifying institutes. Please consult Sun Chemical if assistance in this matter is needed.

### FOUNTAIN SOLUTIONS

SunLit Intense process inks are compatible with a wide range of fountain solutions. Isopropanol (IPA) reduction or elimination is supported. Sun Chemical recommends the following ideally adapted products:

SunFount™ 410; suitable for 5-7% IPA in normal water qualities

SunFount™ 480; suitable for 3-6% IPA, to prevent roller glazing

SunFount™ 455; suitable for 0-5% IPA, adapted for IPA free printing

The quality of the water and the overall printing conditions have a strong impact on the choice of fountain solution and the level of IPA required. Please consult our technical services for assistance.

### WATER-BASED OVERPRINT VARNISHES

Sun Chemical offers a full portfolio of water-based overprint varnishes. The final choice depends on individual press conditions, the substrate used and the expectations on the print regarding visual appearance. The following products are widely used:

SunCoat™ 2431 gloss coating, suitable for work & turn jobs on paper and board

SunCoat™ 9265 matt coating, suitable for work & turn jobs on paper and board

SunCoat™ 9205 primer for in-line UV coating

SunCoat™ 9206 primer for off-line subsequent UV coating

### APPLICATION INFORMATION

SunLit Intense process inks are based on vegetable technology and mineral oil free. They dry by absorption and oxidation. They are duct fresh and supplied ready for use. The use of additives is not required.

SunLit Intense is suitable for all types of offset printing plates.

SunLit Intense is not recommended for sensitive food packaging and outdoor posters or for printing on impervious substrates (films, foils).

For further detailed application advice please contact our technical services. A Material Safety Data Sheet is available on request.

# SunChemical®

a member of the DIC group



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