

## SUNLIT™ SKF

SunLit SKF is a high quality sheetfed offset ink series for 4c process printing. This duct fresh printing ink provides best results in stack performance, fast work and turn, fast conversion on a wide range of paper grades. It is best-in-class regarding final mechanical resistance of the print work.

SunLit SKF does not require being overcoated but can be printed in-line/off-line with water-based coatings or in-line/off-line with oil-based sealers. UV coatings (in-line or off-line) might require the use of a primer. When printing without waterbased in-line coating, Sun Chemical does not recommend the use of IR dryers.

The optimum application range of SunLit SKF is to achieve optimum mechanical resistance without the use of an overprint varnish. Target area are small and medium size print jobs which are turned or processed immediately after print as calendars, leaflets, advertising flyers, booklets, CD/DVD inserts, greeting cards, business reports and other commercial print work. Preferred press configurations are straight 4+ colour presses of all makes and sizes. A coating unit is not required.

PROCESS COLOURS	PRODUCT CODE	LIGHT FASTNESS ISO 12040	ALCOHOL ISO 2836	SOLVENT MIXTURE ISO 2836	ALKALI ISO 2836
SUNLIT SKF Process Black	<b>SKF46</b>	8	+	+	+
SUNLIT SKF Process Cyan	<b>SKF07</b>	8	+	+	+
SUNLIT SKF Process Magenta	<b>SKF27</b>	5	+	+	-
SUNLIT SKF Process Yellow	<b>SKF41</b>	5	+	+	+
SUNLIT SKF Intense Black	<b>SKF24</b>	7	-	-	+

**SunLit SKF allows fastest job workflow and makes straight printing highly efficient and competitive. SunLit SKF makes coating unnecessary.**

**working for you.**



## SUNLIT™ SKF

### CHARACTERISTICS

Very fast conversion\* and work & turn\*  
 Best in class in mechanical resistance\*  
 Excellent lithographic stability at all press speeds

Very good stack capability\*  
 Compatible with all absorbent substrates  
 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 SKF 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 SKF supports the realisation of ISO 12647:2 in an offset pressroom. SunLit SKF 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 support in this matter is needed.

### FOUNTAIN SOLUTIONS

SunLit SKF 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 SKF process inks dry by absorption and oxidation. They are duct fresh and supplied ready for use. The use of additives is not required.

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

SunLit SKF 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®

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