

SUNLIT™ EXPRESS

SunLit Express is a high productivity sheetfed offset ink series for 4c process printing and specially formulated for fast work and turn in straight printing, for fast finishing and can be used on all types of sheetfed presses including 8, 10 and 12 colour perfecting machines.

SunLit Express is based on an innovative resin/oil combination providing robust lithographic stability and excellent mechanical resistances. SunLit Express is fast in colour and shows very low misting on modern high speed presses and provides excellent print definition and ink trapping. These fast setting and rapid drying process inks are specially formulated in stack performance, fast work and turn, fast conversion or further processing of the print work on a wide range of paper grades (folding, cutting, stitching etc). Used as part of the work flow processes adapted to short run or long run fast processing. SunLit Express will provide good scratch resistance in the stack with a reduced risk of marking in the press, in the die-cutter or in the bindery.

SunLit Express can be printed in-line with water-based coatings or in-line/off-line with oil-based sealers 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 EXPRESS Process Black	EXP46	7	-	-	+
SUNLIT EXPRESS Process Cyan	EXP25	8	+	+	+
SUNLIT EXPRESS Process Magenta	EXP27	5	+	+	-
SUNLIT EXPRESS Process Yellow	EXP26	5	+	+	+
SUNLIT EXPRESS Dense Black	EXP24	7	-	-	+

SunLit Express accelerates the workflow in commercial printing. SunLit Express works on straight and perfecting presses equally well.

working for you.



SUNLIT™ EXPRESS

CHARACTERISTICS

Very fast work and turn*
 Very good mechanical resistance*
 Excellent lithographic stability at all press speeds
 Excellent performance on long perfecting presses

Excellent ink trapping
 Very good stack capability*
 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) and respect the CONEG regulation on toxic heavy metals. SunLit Express 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 Express supports the realisation of ISO 12647:2 in an offset pressroom. SunLit Express 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 Express 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 Express process inks dry by absorption and oxidation. They are roller fresh and supplied ready for use. The use of additives is not required.

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

SunLit Express 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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