TECHNICAL DATA SHEET
UV FLEXO INK

LUNA FLUORESCENT RANGE
Revision 9 – 26th August 2026

LUNA FLUORESCENT RANGE

Introduction

The UV Flexo LUNA Fluorescent range has been designed to unite the major requirements of press and print performance, optimum brightness, colour strength, fluidity, stability, and quality required for todays and future market areas.

This product range is manufactured using state-of-the-art dispersion techniques and conforms to high quality standards.

The UV Flexo LUNA Fluorescent Range has been developed for optimum performance on all types of flexo-printing units equipped with UV (MPM) drying.

The range lends itself to a wide range of applications including self-adhesive labels, wet glue applications, carton and board applications (Non FCM), ticket and tags.

Technical Information

Fastness and Product Resistance

Description	Code Reference	Estimated Anilox Volume (cm^3/m^2)
Flexo LUNA Fluorescent 801c Blue	N/A	N/A
Flexo LUNA Fluorescent 802c Green	LMFLG802	12.0 – 14.0
Flexo LUNA Fluorescent 803c Yellow	LMFLY803	10.0 – 12.0
Flexo LUNA Fluorescent 804c Orange	LMFLY804	12.0 – 14.0
Flexo LUNA Fluorescent 805c Red	LMFLR805	12.0 – 14.0
Flexo LUNA Fluorescent 806c Pink	LMFLR806	9.0 – 10.0
Flexo LUNA Fluorescent 807c Purple	LMFLC807	9.0 – 10.0
Flexo LUNA Fluorescent 808c Green	N/A	N/A
Flexo LUNA Fluorescent 809c Yellow	LMFLY809	4.0 – 5.0
Flexo LUNA Fluorescent 810c Orange	LMFLY810	5.0 – 6.0
Flexo LUNA Fluorescent 811c Orange	LMFLY811	7.0 – 8.0
Flexo LUNA Fluorescent 812c Red	LMFLR812	7.0 – 8.0
Flexo LUNA Fluorescent 813c Pink	LMFLR813	5.0 – 6.0
Flexo LUNA Fluorescent 814c Purple	N/A	N/A

Spot Colour Palette

Description	Code Reference	Estimated Anilox Volume (cm^3/m^2)
Flexo LUNA Special Bright Fluorescent Yellow	LMFLY815	10.0– 12.0

- Non fluorescent options are available for PMS 801c, 808c and 814c, please contact ALDUS INKS for codes and information.

Application

Fluorescent pigment in general, can be weaker in colour strength compared to conventional ink systems and certain colours may require a heavier film weight of ink to be carried. If the film weight, colour or cure is not acceptable at a single hit, apply two hits at a lighter film weight to achieve the desired result.

The label design should be carefully considered, where a heavy film weight is required, it may not be possible to print large solid areas on the same plate as fine or reversed out text or screened images.

Please note that the colours have been formulated to a commercially acceptable tolerance to the Pantone references quoted. The final shade will vary depending on the choice of substrate.

Lightfastness

Fluorescent colours are very poor for lightfastness and are estimated at Blue Wool Scale 1-2. We do not recommend that printed examples of these colours be exposed to daylight conditions.

Excessive exposure to the UV lamps on the press during printing can have an adverse effect on some fluorescent colours due to their poor lightfastness. We would recommend that the lamps be used at the lowest power possible to ensure sufficient cure.

Tests should always be conducted prior to a production run to ensure a satisfactory result can be achieved

Points to note

It is strongly recommended that press trials are conducted before commencing a full production run to confirm that the final result is acceptable. This is especially important when using this product range for the first time. Once approved, records should be retained detailing the aniloxes, print unit, press speed, lamp power and substrate used, for reference on future print runs.

Substrates

This ink system has been purposely designed for use on many papers, boards, synthetics and foils both supported and unsupported. The inks are press ready and the use of performance additives is not recommended without prior consultation or recommendation by ALDUS INKS. This ink system is not suitable for thermal active papers without the use of a suitable over varnish.

NB. Due to the wide variety of synthetic substrates available we cannot provide guarantees for ink adhesion. We recommend the use of good quality top coated substrates. Non - top coated substrates can also be converted providing the material is corona treated or primed prior to printing.

It is recommended that adequate testing be carried out prior to production runs.

Overprinting

All inks detailed in this information sheet are free from surfactants and are considered suitable for overprinting using thermal transfer ribbons, hot foils, laser toners, flexo and screen inks. Please note that due to the wide variety of ribbons, foils and toners which are available, we always recommend overprintability trials be conducted for suitability when using these products for the first time or if the print construction changes.

It is important that tests are carried out to ensure good results can be achieved when printing on press.

Other Information

All products must be mixed/stirred thoroughly to ensure consistency prior to printing, failure to do so may alter the performance or finish of the ink.

Storage and Shelf Life

All products detailed in this information sheet have a guaranteed shelf life of 4 months, but storage conditions are imperative. The container should be closed immediately after use and stored in a dry area at 5-18°C away from direct sunlight. This guarantee only applies to sealed, unopened containers.

The information contained in this General Information sheet is based on the experience of ALDUS INKS and our internal laboratory test procedures. It is not to be interpreted as a warranty or guarantee in any form as conditions and variables beyond our control can affect the end result.

We recommend press trials when using new substrates and other print related variables for suitability purposes.

We reserve the right to alter any product data as a result of technical or manufacturing processes.

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