TECHNICAL DATA SHEET
UV FLEXO INK

AURA+ 1-PACK METALLIC RANGE

Introduction

UV Flexo AURA+ 1-Pack metallic range is press ready and engineered to meet the highest performance while supporting the demanding regulatory standards for indirect food packaging. Developed to enable compliance with the Swiss Ink Ordinance and German Ink Ordinance and manufactured in line with EuPIA guidelines.

The UV Flexo AURA+ 1-Pack Metallic 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, ticket and tags.

Technical Information

Product Range

Description	Code Reference
UV Flexo AURA+ 1-Pack 871c Gold	MET2071-1
UV Flexo AURA+ 1-Pack 872c Gold	MET2072-1
UV Flexo AURA+ 1-Pack 873c Gold	MET2073-1
UV Flexo AURA+ 1-Pack 874c Gold	MET2074-1
UV Flexo AURA+ 1-Pack 875c Gold	MET2075-1
UV Flexo AURA+ 1-Pack 877c Silver	MET2077-1

Application

Flexo AURA+ 1-pack metallic inks are easy to use and handle, offer high gloss and brilliance.

An estimated anilox volume of 8.0 – 12.0 cm^3/m^2 is recommended depending on the conditions.

Points to note

Flexo AURA+ 1-Pack metallic inks can be blended with ALDUS INKS standard Flexo AURA+ inks to achieve a wide range of colours. This will reduce the stability and shelf life of the metallic ink therefore it is not recommended that ink which has been altered be stored for any length of time

Lightfastness

In the Print Industry, the lightfastness of a Printing Ink is usually tested according to the Blue Wool Scale whereby a numerical value is given as an indication of the colour fading that is observed after exposure to light (over a given period of time and in a controlled atmosphere).

For Metallic Pigments & Printing Inks however, the Blue Wool Scale is not applicable because these products do not fade in colour on exposure to light. There may be, however, a change in the appearance of the printed result on exposure to light e.g. change in gloss level or, as with bronze – an increase in colour strength due to oxidation.

Based on our current knowledge and experience, ALDUS INKS considers the "lightfastness" of Metallic Pigments & Printing Inks to be very good, in that there will be very little colour fading over time when exposed to light.

ALDUS INKS strongly recommends that, in situations where lightfastness is critical, full testing is conducted prior to production, to ensure suitability for use.

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

These products are not suited to direct overprinting using thermal transfer, hot foil or laser.

Non-overprintable lacquers can be applied on top of the metallic inks however the colour and lustre may be affected. It is not recommended that overprintable lacquers be applied on top of the metallic inks without thorough press trials being conducted prior to a production run.

Other Information

These products can be used for indirect food packaging applications without the presence of an absolute barrier, such as glass or metal as part of the final packaging construction

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.

Testing in conjunction with a suitable overvarnish is recommended for cases where chemical resistance is required as certain chemicals can discolour metallic inks.

Storage and Shelf Life

All products detailed in this information sheet have a guaranteed shelf life of 6 months, but storage conditions are imperative. The container should be closed immediately after use and stored in a dry area at 5-18ºC 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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