

# NUVAFLEX 34 SERIES METALLIC GUIDE

## INTRODUCTION

The NUVAFLEX 34 SERIES is a Premium Silicone-Free, High Intensity UV Flexography system that allows for printing on many difficult surfaces by combining Clean UV Chemistry with fusing adhesion technology. Universal applications range from Shrink Film & Polyolefin Laminates to general paper and carton board printing.

34 SERIES METALLICS are engineered specifically both in terms of brilliance and ease of use. Including a highly resistant silver to destabilization on press which maximizes transfer qualities throughout the run. Important feature for chambered systems and smaller pans which over agitate easier.

Also included are fast curing two-part liquid-liquid gold's dedicated to 4.0BCM aniloxes. These gold's provide the best combination of brilliance, speed and adhesion properties.

## BENEFITS

- Low odor
- High speeds
- Free flow rheology
- Benzophenone free
- Extreme pigmentation
- Free radical chemistry
- Minimal to low plate swell
- Non-silicone and wax free
- High transparency and gloss
- New safer UV materials utilized
- Universal Ink System too many Difficult Applications

## PIGMENT FASTNESS DATA

Outdoor Fade Resistance	BW8
Temperature (150°C)	+
Acid	+
Alkali	+
Water	+
Sterilization	+
Mineral Spirits	+
Xylene	+
Ethyl Alcohol	+
Ethyl Acetate	+
Diethylene Glycol	+
Methyl Ethyl Ketone	+
DOP Plasticizer	+
Oils/Fats/Greases	+
Paraffin	+

Suitable +, Possible Suitability +/-, Unsuitable -, ND No Data  
 \* Additional testing recommended

## Product Description

## Product Code

DP348710	871 Gold
DP348720	871 Gold
DP348730	871 Gold
DP348740	871 Gold
DP348750	871 Gold
DP348760	871 Gold
DP348770	871 Gold

## CHARACTERISTICS

Viscosity	700cps $\pm$ 200 @ 25°C
Yield Value	2.0
Grind	< 5 Microns
Printed Surface Energy	38+ dynes/cm <sup>2</sup>
Anilox	4BCM

## RECOMMENDED SUBSTRATES

- Top Coated and Corona Treated Polyolefins (BOPP, PE, PP, LDPE, & HDPE)
- Many other hard to bond to films, papers and top-coated materials

## PRODUCT COMPLIANCE

CONEG	+
PROP 65	+
TSCA	+
DSL/NDL	+
ASTM F963	+
EN71-3	+
HMIS RATING	2-1-2-B
VOC	<0.1% Residual

Zeller+Gmelin Corporation complies with voluntary heavy metal limits for toys as defined in ASTM F 963, as well as CONEG regulations concerning lead, mercury, cadmium and hexavalent chromium. Zeller+Gmelin Corporation's inks also comply with the EN 71-3 toy standard limits for heavy metals. These products are not approved for direct food contact applications.

## STORAGE

Store in dark cool place in an enclosed darkly shaded container. Do not expose to direct light for long periods of time. Temperature range for storage should range from 20°C - 35°C. Protect from Freezing.

The statements made here are according to our present knowledge. They do not absolve the user from his or her own responsibility to ascertain that our product is suitable for their process. No legal implication should be derived from our statements, since explicit guarantees with respect to product performance are neither expressed nor implied. Currently existing laws and regulations should be observed by the consignees of our products at their own risk.