

## ACTExact® INK SYSTEM

**UV curable, low viscosity inks developed to yield superior printing in the Prime Label and Flexible Packaging markets**



### Typical Characteristics

- Low foaming
- Excellent flow in press pan
- Meets ISO2846-5, G7 First 5.0 specifications
- Fast curing

\*\*\*\**Typical Characteristics* are commensurate to the recommended Application parameters indicated below.

### Application

Equipment:	Flexo w/Doctor Blades
Anilox:	3.0-3.5 BCM line colors 1.4-3.0 BCM 4/c Process colors
Substrate:	Various Films & Paper
Typical Press Speed:	300 - 700 ft/min
Lamp Power:	400 Watts/ln

### Application Notes:

ACTExact™ inks yield a very fluid, easy to pour product. Do not add any silicones or defoamers to the system as this will reduce the ability to overprint or decorate.

### Special Properties

Rub Resistance:	Best with the use of an overprint varnish
Water Resistance:	100 Rubs w/ Q-Tip - For constructions requiring specific water resistance we recommend the use of an overprint
Heat Resistance:	300+°F @ 1 seconds dwell @ 30 PSI

\*\*\*\**Special Properties values result following the application parameters recommended in this technical data sheet, conducted in a controlled laboratory environment.*

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#### **ACTEGA North America, Inc.**

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## **Physical Properties**

Appearance:	Various colors, pourable liquid
Solids:	100 %
Viscosity:	1000-1400 cPs Line colors, 500-900 cPs 4/C Process colors
Gloss:	N/A Units @ 60° (BYK Tri-Gloss Meter) over Leneta Card
Density:	8.9-9.2 lbs/gallon
Glueable:	Yes
Optical Brightener:	No
Benzophenone Free:	Yes

**\*\*\*\*These values represent typical laboratory testing results and should not be interpreted as specifications.**

## **Storage and Handling**

Maximum shelf-life of 12 months from date of manufacture. After opening, use as soon as possible. Protect from frost, heat and sun exposure. A viscosity increase is possible if stored incorrectly or for a longer period of time. Avoid mixing with other coatings or washing water.

UV products contain acrylates. Please refer to SDS for proper handling.

## **Disposal**

Inks, coatings or press washings should not be poured into any drainage system without first reviewing local regulations. Proper disposal may involve on-site treatment or removal by a licensed disposal agent.

## **Regulatory Requirements**

All Safety Data Sheets are compliant with the Global Harmonization System and will be supplied with each shipment of product and/or request. Air Quality data available upon request

## **Benzophenone**

The information and data contained herein regarding Benzophenone is in reference to formulation. Any product that is stipulated as Benzophenone free has been engineered without the intentional use of that chemical component.

## **Notes on Low Migration**

Low migration products are formulated to be used in applications where migration of chemicals across a barrier (functional or non-functional) is a concern. Final migration values are dependent on the entire application and construction of the final printed product. All migrations values should be validated via 3rd party/external testing.

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## ACTExact® Ink System

### Standard Product Line

#### 4/C Process Inks 1.4 BCM Strength

REN102188	Process Yellow
REN202250	Process Magenta
REL303042	Process Cyan
REL401372	Process Black

#### 4/C Process Inks 3.0 BCM Strength

REN102252	Process Yellow
REN202235	Process Magenta
REL303110	Process Cyan
REL401404	Process Black

### Line Colors

REN102321	Yellow	REN202399	Rhodamine
REN102320	Orange	REN303191	Purple
REN202401	Warm Red	REL501964	Green
REL303192	Process Blue	REL401426	Mixing Black
REN303193	Reflex Blue	REL401359	Dense Line Black
REN303194	Violet	REL401415	Super Dense Line Black
REN202400	Rubine	REL401404	Classic Black

*Special colors and PMS color matches are available upon request*

### Additives

RVA001013	Reducer	Reduces viscosity and color strength (maximum addition-5%)
RVA001919	Extender	Reduces color strength-add small increments

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