

LED 17 Series

Premium LED Printing Inks

Flexographic Printing Inks for LED Curing Applications

Zeller+Gmelin Corporation, through an extensive development program using its international technical resources, is pleased to announce the introduction of a new flexo product line specifically designed to work with the latest LED curing systems. Rigorous laboratory evaluation, along with exhaustive press testing in cooperation with a major press manufacturer, has proven that these inks perform extremely well and cure completely - even at high press speeds when exposed to LED lamps operating in the 385-395 nanometer wavelength range. Higher run speeds with satisfactory curing have been achieved versus traditional mercury UV lamp systems.

Although LED curing systems are a relatively new development in the Flexographic industry, the obvious benefits of the systems have been widely recognized. Extended lamp life beyond 20,000 hours, instant on, "cool curing" with minimal heating and distortion of the substrate, reduced energy consumption up to 50%, no toxic mercury from the lamps and no ozone generation (and therefore no necessity for ventilation), are all significant benefits. It is expected that these improvements will continue and be enhanced as the technology advances.

More and more flexographic LED systems are being installed and Zeller+Gmelin, having recognized the potential benefits of this exciting new technology, is ready with inks that will meet or exceed your printing and curing requirements.

Features

- + Easy handling with excellent application and end use properties
- + Applicable for shrink sleeve use on most common substrates
- + Cures rapidly and completely with new LED curing units*
- + Less waste
- + Stable in container & on press
- + Easy to wash up
- + Very low odor**
- + Low misting at high speeds
- + Allows for a healthier pressroom environment

Availability

- + Process Colors
- + Pantone Bases
- + Metallics
- + Expanded Gamut Colors
- + Opaque Whites
- + Coatings & Adhesives***

* Note that LED units vary greatly in output depending on the manufacturer.

Press speeds may have to be adjusted downwards with lower power output systems.

** Although these inks have very low odor, they are not considered low migration formulas and cannot be used safely for those type of applications.

*** Coatings & adhesives are targeted for specific applications. Ask your Zeller+Gmelin representative for detailed recommendations.



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Description	Product Code	Blue Wool Fade	Anilox (bcm)
PROCESS INKS			
Yellow	RH1760801	4	1.5–1.8
Magenta	RH1760796	4	1.4–1.7
Cyan	RH1760798	8	1.3–1.6
Black	RH1760803	8	2.6–3.3

Description	Product Code	Blue Wool Fade
BASE INKS		
Yellow	RH1760901	4
Warm Red	RH1760807	4
Rubine	RH1760902	4
Rhodamine	RH1760795	4
Purple	RH1760806	4
Violet	RH1760797	7
Reflex Blue	RH1760800	7
Blue	RH1760903	8
Green	RH1760794	8
Black	RH1760904	8
Extender	RH1759718	N/A
Orange	RH1760805	4

Description	Product Code	Blue Wool Fade	Anilox (bcm)
OPAQUE WHITES			
Opaque White	RH1758987	8	8.0–15.0
Shrink Sealant White SV3	RH1761754	8	4.0–5.0
Shrink Sealant White SV1	RH1761803	8	4.0–5.0

EXTENDED GAMUT			
Orange	RH1763213	6	1.2–2.2
Violet	RH1763214	7	1.2–2.2
Green	RH1763215	8	1.2–2.2

EXPERTLY DONE.