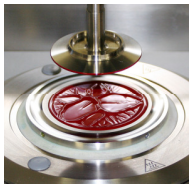
UVALUX® 20 SERIES

Maximum Performance
UV Lithographic Web Inks

Zeller+Gmelin
Printing Inks

UVALUX® 20 SERIES

Maximum Performance UV Lithographic Web Inks

A New GENERATION in UV Lithography Inks

UVALUX® 20 Series is an evolution of enhancements to Zeller+Gmelin's industry benchmark web performance products. Utilizing the latest technological advances while addressing new regulatory and product change requirements, the 20 Series provides enhanced transfer, decreased water settings and effortless clean up. These products also provide exceptional gloss and reduced misting at the industries highest speeds.

Features

- Excellent Flow
- Wide Operating Window
- Conventional Print Curves
- Compatible with a Variety of Fountain Solutions
- Maximum Ink Transfer Rates in Roller Train
- Low Dot Gain
- Superior Gloss
- Low Misting

Selected Applications

- Commercial
- Business Forms
- Direct Mail
- Laser Applications
- Many others….

Color Availability

UVALUX® 20 Series inks contain clean, strong, transparent pigmentation designed to meet all of your print requirements. These selections allow this series of inks to provide optimum color matches while achieving a wide color spectrum.

- PANTONE® Blends
- Includes Metallic & Fluorescent

Ink Film Formation

UVALUX® 20 Series inks provide quick initiation, leaving a durable fused ink film with advanced chemical resistance. The high end initiator package providing excellent cure is not dependent on further absorption, evaporation or oxidization to complete the curing process.

- Fused Heat Resistant UV Ink Film
- Maximum Cure Rate

Profitability Enhancements

The most proven methods for reducing ink cost are through minimizing ink consumption and reducing waste. Running thinner films, enhancing press speeds and using less energy all add up to cost savings by utilizing the 20 Series.

Increasing mileage without decreasing performance is achieved by using the most current technologies. Include exceptional runability traits at thinner ink films on your roller train, while maintaining a job in balance as press conditions change, requires an extraordinary ink system. The UVALUX® 20 Series exceeds those requirements. In addition the 20 Series maximizes the transfer and operational window by increasing the ink/water balance.

- Unsurpassed Press Speeds
- Wide Window of Operation
- Utilizes Less Water

Substrates

- Coated Paper
- Uncoated Paper
- Synthetics

Environmental Benefits

The UVALUX® 20 Series surpasses the printability of conventional inks while offering the benefits of less than one percent VOC emissions. Our primary focus is to develop state of the art "green" UV ink products for sustainability that are environmentally and consumer friendly. 20 Series inks are formulated for high free radical conversion rates, requiring no additional volatile components. Also the 20 Series incorporates a renewable soy component adding to the sustainability of this product. We remain committed to providing the most environmentally beneficial products to the market.

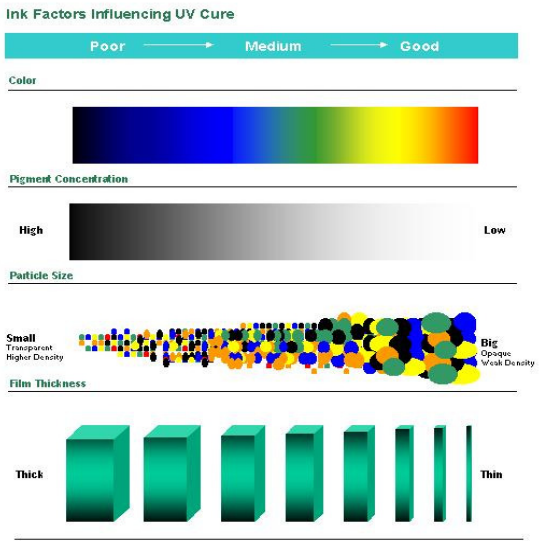
- Free Radical Chemistry
- Cleaner Second Generation UV Components
- Efficient Energy Consumption

Laser Printing

Laser printing is a dynamic process involving variables of heat, pressure, friction, film weight, cure, substrate and print layout. The 20 Series ink chemistry is the solution for laser application by providing print qualities that address the rigors of laser printing.

UVALUX® 20 Series inks properly cured at correct film weights in conjunction with other laser variables are heat resistant up to 450F/115PSI and acceptable for usage in most laser printing applications.

UVALUX® 20 Series inks have been tested, approved and recommended for use on Océ high speed laser printing equipment.



Product Description	Product #	Blue Wool
Process Yellow	2001	4
Process Magenta	2002	4
Process Cyan	2003	8
Process Black	2004	8
Opaque White	2005	8
Dense Black	2006	8
Yellow	2010	4
Warm Red	2020	4
Rubine	2030	4
Rhodamine	2040	4
Purple	2050	7
Violet	2055	7
Reflex Blue	2060	7
Process Blue	2070	8
Green	2080	8
Mixing Black	2090	8
Trans. White	2095	8
012 Yellow	20012	4
021 Orange	20021	3
032 Red	20032	5
072 Blue	20072	7

Our Commitment

Our commitment and focus to UV development, technology, training, manufacturing, quality, environment and its processes have been ongoing since 1970. Our expertise and experience enhances our global reputation as second to none. National and International, mutually beneficial partnerships and relationships have been built through integrity, cooperation, confidence and trust.

Proactive industry involvement enables Zeller+Gmelin Corporation to recognize, identify and analyze market requirements and trends. Instrumental and important new technologies are constantly pursued and developed to ensure the products we offer provide the viable competitive edge essential to excelling in today's ever-changing environment.

Today, through commitment, performance and growth, Zeller+Gmelin Corporation products are utilized in over 75 countries – "Putting Color Into the World."

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Zeller+Gmelin
Printing Inks

Printed with UVALUX® 90 Series Inks
REV 0212