

UVALUX 95 SERIES

Premium Sheetfed UV Inks for Plastics

A New Level of Performance

Zeller+Gmelin is proud to provide a UV Sheetfed ink series that handles all but the most intractable plastic surfaces without the need for priming. The inks are identified by the 95 Series prefix and include four color process as well as a full blending line supplemented by high permanency blending and process color options, where severe weathering and fade resistance are necessary for end use requirements. The 95 Series features high opacity and high adhesion opaque whites for clear substrates and foils as well as selected primers where required. 95 Series cured ink film is derived from using premium resins and other raw materials. The process inks meet the requirements of ISO2846-1 for G7 applications.

Profitability Enhancements

Extensive on-press testing of the 95 Series has proven excellent lithographic properties and color stability during short or extended runs. The inks are formulated to offer high adhesion and excellent scratch resistance at the same time as accepting film lamination with high bonding strength. This is particularly useful in such end use applications as key, gift, and debit / credit cards or horticultural tags. Color recovery after a press stop is exceptional. This is a key factor in reducing waste and, when factoring in the high price per sheet of today's plastic substrates, quick recovery contributes to a substantial reduction in operation costs.

- + Excellent Cure Speeds
- + Wide Process Window
- + High Mileage
- + Low Water Requirements
- + High Speed, Low Mist

Features

95 Series inks have excellent flow characteristics which remain firmly in contact with the ink fountain roller without agitation, even with shallow ink fountains. This high flow rheology also makes the inks suitable for pumping or dispensing from cartridges.

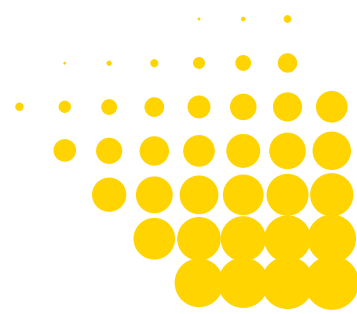
Applications

Since all plastics have different adhesion characteristics, we strongly recommend pre-testing your substrate. An adhesion test prior to printing is beneficial to prevent problems from occurring downstream in the finishing processes.

Environmental Benefits

95 Series inks are formulated for high free radical conversion rates and contain no volatile components. Along with UV inks low regulatory impact vs. conventional systems, 95 Series ink technology complements the environment with a safe product.

- + Free Radical Chemistry
- + < 1% VOC's
- + Safe Second-Generation UV Components
- + Low Energy Consumption



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for Plastics

| Description | Product Code | Blue Wool Fade |
|---------------------|--------------|----------------|
| PROCESS INKS | | |
| Process Yellow | 9501 | 4 |
| Process Magenta | 9502 | 4 |
| Process Cyan | 9503 | 8 |
| Process Black | 9504 | 8 |
| BASE INKS | | |
| Opaque White | 9505 | 8 |
| Dense Black | 9506 | 8 |
| Yellow | 9510 | 4 |
| Yellow F/R | 9511 | 7 |
| Warm Red | 9520 | 4 |
| Warm Red F/R | 9521 | 7 |
| Warm Red BF | 9522 | 5 |
| Rubine | 9530 | 4 |
| Rubine F/R | 9531 | 7 |
| Rhodamine | 9540 | 4 |
| Rhodamine F/R | 9541 | 7 |
| Purple | 9550 | 4 |
| Purple F/R | 9551 | 7 |
| Violet | 9555 | 7 |
| Reflex Blue | 9560 | 7 |
| Process Blue | 9570 | 8 |
| Green | 9580 | 8 |
| Mixing Black | 9590 | 8 |
| Trans. White | 9595 | 8 |
| 012 Yellow | 95012 | 4 |
| 021 Orange | 95021 | 4 |
| 021 Orange F/R | 95022 | 7 |
| 032 Red | 95032 | 5 |
| 072 Blue | 95072 | 7 |

Substrates*

- + Plastics
- + Synthetics
- + Foils
- + Films

* Testing recommended prior to printing substrates.

EXPERTLY DONE.