

38/39 SERIES NUVASCREEN

Inks for Rotary Screen Printing Silicone Free System

UV Rotary Screen Inks are designed to extend the benchmark of UV Rotary Screen quality, mileage and application. NUVASCREEN 38 SERIES is silicone and wax free for no interference with transfer, hot-stamping, overprinting and lamination, while maximizing natural bonding without masking slip agents.

Additional enhancements include the ability to screen crisp lines with smooth leveling, without ultra low viscosities generating excess press dripping. NUVASCREEN has improved leveling characteristics and provides superior gloss. Enhance your products with faster air release rates and greater contamination resistance. NUVASCREEN provides the cleanest, smoothest and glossiest prints available.

NUVASCREEN 38 SERIES

Non-Siliconized Rotary Screen Printing Ink system eliminates contamination in combination printing. This SERIES is completely dedicated toward silicone-free production. Experience cleaner traps, mirror gloss, 100% ink transfer, hot-stamping and laminations highly enhanced over siliconized screen inks.

NUVASCREEN 39 SERIES

Silicone enhanced version of the 38 SERIES. Enhances slip, anti-blocking, transfer and anti-pin holing unto low dyne level surfaces.


Substrates

(Note: 38+ Dyne Level Recommended. Corona treat as required)

- + Polyolefins (BOPP, PE, PP, LDPE, HDPE)
- + Coated and Uncoated Paper And Board Stocks
- + Polyethylene Terephthalate (PET)
- + Nitrocellulose
- + Mylar
- + Polyvinyl Chloride (PVC)
- + Polycarbonates
- + Highly Plasticized Vinyl And Polystyrenes
- + Primed Or Top-Coated Metallized Surfaces
- + Many Other Difficult Surfaces

Hybrid Ultra Opacity Combination White

Hybrid Flexography/Screen inks are designed with the ability to be printed in either a flexography or rotary screen station and meet the full market demands of each environment. Unusual to RH3430252 is the highly opaque pigmentation concentrations (seen in thin film flexo printing) combined with new intense thru-cure chemistry capable of penetrating thick ink films in rotary screen printing. Acceleration of these two properties allows for a single source white to be used by combination printers in multiple environments.



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Color Availability

The NUVASCREEN baseline is built to match directly from the PANTONE® guidebook. NUVASCREEN SERIES of PANTONE®, Process, Metallic and Fluorescent bases are concentrated versions of the PANTONE® basic colors. This approach provides you the latitude of working with multiple screen meshes from fine images to high volume flood coats. Depending on your press setup, added extender may be required with usage of PANTONE® guidebook formulations. The ratios of the pigmented PANTONE® basic colors are consistent throughout the PANTONE® guide. Should your application require full transparency, Monochromatic bases are available for color matching purposes without additional opacity.

Tips on Running Non-Silicone Printing Inks

All Zeller+Gmelin Non-Silicone Screen Inks exhibit low pin holing. However, silicone contamination can occur in early testing from your current inks, highly plasticized rubber hoses and usage of silicone gear lubing. Once established with dedicated screens and equipment, contamination drops dramatically.

Tips for providing consistent, low pin holing, silicone free printing:

- + Check hoses, screens, and squeegees for contamination with silicone based inks prior to use. Clean any suspect material completely off of the equipment. Hoses should be rated with low plasticizer and mold release contents.
- + Ensure good ventilation when spraying gear lubing.
- + Surface Energy of 38+dynes/cm. Adequate fresh in-line treatment to blow off migrating plasticizers and contamination from other sources.

Features

- + Excellent Film Formation Qualities Of Flexibility
- + High Strength And Adhesion To Difficult Surfaces
- + Ultra Low Viscosities Not Required To Enhance Opacities In Whites
- + Automotive Grade Fade Resistance Available
- + High Air Release For Increased Press Speeds
- + Ultra Opaque Whites
- + Improved Thru-Cure In Highly Dense Blacks
- + Chemical And Abrasion Resistance
- + <1 % VOC's
- + Mirror Gloss Unsurpassed By Siliconized Inks

EXPERTLY DONE.