

Gemini™ Hybrid 9000 Ink Series

Ideal for in-line application of UV coatings on paper and board substrates

Gemini™ Hybrid 9000 Ink Series utilizes a unique combination of UV curable and conventional chemistry to provide properties ideal for in-line application of UV coatings on paper and board substrates.

Product Features

- Suited to print: general purpose, folding carton, commercial printing, and labels
- Immediate post processing of work
- Can use less aggressive wash-up solutions
- Free of Benzophenone, 4-Methyl Benzophenone and ITX

Advantages of Gemini™ Hybrid 9000 Inks

- Excellent gloss retention
- Inter-coat adhesion
- Excellent ink/water balance
- Very low misting
- Roller and blanket compatibility
- Low odor
- No VOCs

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Gemini™ Hybrid 9000 Process Colors

Color	Light fastness 100% Strength*	100% Strength 10% Tint*	Alkali**	Alcohol*	Nitro (solvents)**
Black	8	7	2	2	2
Cyan	8	7-8	5	5	5
Magenta	5	4	2	3-4	5
Yellow	5	4-5	5	3-4	5
Lightfast Magenta	7-8	7	5	5	5
Lightfast Yellow	7	6	3-4	5	5

Color properties complying with ISO 2846-1
 (*Blue Wool scale, 1=minimum, 8=maximum)
 (**Resistance properties in accordance with the
 Grey scale according to ISO 105-A03 or ISO
 105-A02 1 = poor, 5 = very good)

Blending base series available.

The Gemini™ Hybrid inks are also available in
 Limited Pantone® Blending Colors (Perm. Only), spot
 colors, and six color process series.

Substrates

Highly recommended for coated and uncoated papers, and paperboard. Non-porous substrates should be evaluated prior to use.

Fountain solution

All quality fountain solutions can be used. The Gemini™ Hybrid 9000 Ink Series are recommended for printing with and without alcohol.

Rollers/blankets

The Gemini™ Hybrid 9000 inks have been formulated to exclude materials known to cause swelling or degradation of EPDM and NBR type rollers. In general, UV curable inks and the special cleaning fluids can, to a certain extent, cause swelling or shrinking of rubbers. Rubber types like EPDM, butyl nitrile or vinyl nitrile are recommended.

Limitations

A top coating, such as UV or aqueous coating or film laminate, must be applied.

Remarks

Lamination Receptive*

*Testing for peel strength is highly recommended prior to production under customer conditions such as: temperature, pressure, dwell time, substrate, overlamine, etc. Formulated in accordance with CEPE "Guide to Materials and Substances for Exclusion from Printing inks and Related Products"; EC Directive 94/62/EC - Packaging Directive in respect of Heavy Metal Content.

Additives

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