

TECHNICAL DATA SHEET

KS-146

KY Shine Soft Feel Matte SF OPV



Product Description:

KS-146 is formulated as a special effect tactile aqueous “Soft-Feel” opv for application to paper and paperboard through the inking unit of a sheetfed offset press. Typical applications would be commercial printing. Please refer to the **Kentucky Shine Press Instructions** for press preparation and use. For any additional information please contact your KUSTOM GROUP, LLC representative.

Performance Characteristics:

- Excellent matte finish with velvet like feel
- Good rub and scuff resistance (test versus specifications prior to use)
- Not recommended as a UV primer or for hot foil stamping, gluing, imprinting or film laminating

Physical Properties:

- **Tack:** 10 – 12 @ 400RPM, 1 minute
- **Dynamic Viscosity:** 30 – 60 Poise (Rheometer @ 25C; 4cm, 2deg cone; 2.5 1/sec)
- **pH:** 8.0 - 8.5 @ 77°
- **Specific Gravity:** 1.04

Application Information:

- The best Soft-Feel effect can be achieved by carefully applying a heavier film thickness but **NOT** via a double-bump application. Exercise care to ensure that the sheets are dry
 - KS-146 is recommended for single-sided application only (wet trap or off-line)
 - This product exhibits a characteristic cling in face-to-face conditions and may interfere with feeding, cutting, folding, etc.
 - We recommend using short lifts for jobs with heavy ink coverage
 - Ensure that the ink system is dry. Avoid using with extreme stay open inks
- 1 **Drying Requirements:** For best results, aqueous overprints varnishes require a sufficient volume of warm air directed onto the varnished surface. The use of IR units (short or medium wavelength) can provide drying assistance in many applications. Exercise care to avoid load temperatures in excess of 90° F.
 - 2 **Application Weight:** Apply about 20 to 25% more than oil base overprints.
 - 3 **Ink Formulary:** Limit wax to typical polyethylene to ensure proper inter-coat adhesion. The use of PTFE, microcrystalline wax or silicone may contribute to application problems. Avoid the use of pigments that may bleed or change color when in contact with an alkaline product (refer to the **Kentucky Shine Press Instructions**). As a precaution, always evaluate new ink formulation and technologies with the aqueous overprint varnish.

FOR YOUR PROTECTION:

The information and recommendation in the publication are the best of our knowledge, reliable. Suggestions made concerning uses or application are only the opinion of KUSTOM SERVICES, LLC., and users should make their own test to determine the suitability of this product for their own particular purpose. However, because of numerous factors affecting results, KUSTOM SERVICES, LLC makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose, other than that the material conforms to its applicable current standard specification. Standard Specification, although current at the time of publication, are subject to change without notice. Please refer to the SDS for additional information.

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