

# TECHNICAL DATA SHEET

## KS-191

Kentucky Shine High Body,  
Press Stable Satin Overprint



### Product Description:

KS-191 represents the next generation of Kentucky Shine. It is formulated as an aqueous overprint varnish 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 Instruction booklet** for press preparation and use. For any additional information please contact your KUSTOM GROUP, LLC representative.

### Performance Characteristics:

- 1 Enhanced press stability when compared to other products.
- 2 Excellent satin appearance and non burnishing characteristics. A typical gloss reading is 25-30% with a 60° gloss meter. This is dependent on the ink, substrate.
- 3 Excellent set and dry speed
- 4 Has gel like structure to prevent dripping thru the ink fountain.
- 5 Good rub and scuff resistance ( test versus specifications prior to use).
- 6 Not recommend for use as a UV coating primer.
- 7 Not recommend for hot foil stamping, gluing or imprinting and film laminating.

### Physical Properties:

- 1 Tack = 10 to 13 @ 400 RPM @ 1 minute (minimal tack increase at 7 minutes)
- 2 pH = 8.0 to 8.5 @ 77°
- 3 Specific Gravity = 1.07

### Application Information:

- 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 of 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 Instruction booklet**). As a precaution, always evaluate new ink formulation and technologies with the aqueous overprint varnish.

### FOR YOU 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 MSDS for additional information. DATE REVISED 10/31/06

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