

Technical Data Sheet

KK451

Matte UV Coating



Product Description

KK451 is a general purpose matte UV coating specifically formulated for use over select toner based inks and energy cure inks to be applied in-line or off-line via anilox coaters. Typical applications include commercial sheetfed printing on paper or paperboard substrates where matte gloss is desired. For additional information regarding assistance and applications, please contact your Kustom Coatings representative.

Performance Characteristics

- Exhibits matte appearance with non-burnishing characteristics. Typical gloss reading is 5-15 points with a 60° gloss meter. This is dependent on the substrate and application method.
- Can be used over UV offset inks as well offering excellent rub resistance.
- Low thixotropy
- Excellent cure response
- Not considered imprintable, foil-stampable, glueable, etc.

Physical Properties

- Viscosity: 14 - 16 sec. #3 Zahn
- Specific Gravity: 1.06
- Solids: > 99%

End Use Considerations

KK451 should be evaluated under production conditions using the actual ink system and substrate to ensure that leveling, intercoat adhesion, gloss and other performance characteristics are acceptable. In general, UV coatings may not exhibit complete intercoat adhesion over some substrates. A primer may be considered for use if this property needs to be improved.

Storage and Handling Information

Care should be taken not to expose radiation curable products to temperatures exceeding 100°F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere. This material should not be stored for more than six (6) months.

Certain precautions should be taken when handling this product. Please refer to the Safety Data Sheet (SDS) for further details. This product contains materials that may cause moderate skin injury (reddening and swelling) and/or sensitization. Since irritation may not occur immediately, contact can go unnoticed. Consult the SDS for appropriate equipment prior to using this or any other materials referred to in this Technical Data Sheet.

FOR YOUR PROTECTION:

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Kustom Services, LLC, and users should make their own tests to determine the suitability of this product for their own particular purposes. 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 particular purpose, other than that the material conforms to its applicable current Standard Specifications. Standard Specifications, 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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