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PRODUCT DATA SHEET

Prepared for:

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**Product Name: IJ Top Coat (IJTC)
(ClearShield® Clear UV Type C)
Protective Liquid Laminate
Gloss and Satin**

Product type: Clear UV and Chemical Resistant Topcoat
Suggested Use: As a Topcoat **Interior:** X **Exterior:** X

PRODUCT DESCRIPTION

IJ Top Coat is a high-performance, water-based clear liquid laminate coating system formulated for ultra-violet protection, moisture, abrasion and chemical resistance. It is commonly used to protect ink jet printed substrates. Most ink jet prints have a very thin film thickness of ink, subjecting the print to degradation by ultra violet light, wind, rain and other abrasive elements. The system can be used on a wide range of substrates including most water-resistant canvas printed with pigmented inks or solvent based inks. Type C is unique in its flexibility and ability to resist out gassing associated with many micro porous ink jet receptive layers. ClearShield® is a low VOC, waterborne topcoat formulated to meet present and future governmental regulations. This easy to use, environmentally friendly product provides a cost effective, high-performance alternative to traditional solvent-based products.

PHYSICAL PROPERTIES

Viscosity: 25 seconds Zahn #2
Weight per Gallon: 8.2 – 8.4 lbs.
Non-Volatile by Volume: 31%
V.O.C: 120 g/L – 1.0 lb/gal. w/o water **PH:** 8.5 – 9.2
Sheen: 50° Semi-gloss 85° Gloss
Other information: May be cross-linked if needed for additional chemical resistance and hardness.

SUGGESTED APPLICATION DATA

Substrate: Water Resistant Ink Jet receptive canvas and most solvent-based ink output.
Application Method: Spray, Brush, Roll **Reducer:** Water if needed.
Application Viscosity: use as supplied
Mils Wet: 2.8 **Mils Dry:** 1

Automated Application Equipment: Generally use as supplied. Daige coaters require An addition of water (1 Qt per gallon of clear)

Coverage: 481 Square Feet per gallon at 1 mil dry film (100% efficiency)

CURE SCHEDULE

Air Dry: X **Temperature:** 80°F **Dust Free:** 10 min. **Dry to Handle:** 30 min.
Sand or Recoat: 30 minutes

SPEED OF DRY DEPENDS ON RELATIVE HUMIDITY AND AIR MOVEMENT

ADDITIONAL PERFORMANCE INFORMATION

Although it is impossible to predict the performance of any individual coating, field-testing and history demonstrate an increase in ink longevity up to 100%. It should be noted that it is impossible to predict individual performance because of variables such as film thickness, and site orientation (geographic exposure).

SPECIAL CONSIDERATIONS: KEEP FROM FREEZING

MANUFACTURER INFORMATION

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Statements and methods described herein are based on the best information and practices known to Clearstar Coatings Corp. at the time of issue. Procedures are suggestions only and are not to be construed as warranty information or results. It is the user's obligation to determine whether this product is suitable for the particular use and specific method of application.