



**Schilling** inc.  
INKS & COATINGS

## WBC 5000 Acrylic Clear Coatings for Glass

### TECHNICAL DATA SHEET

#### Product:

WBC 5000 is a decorative and protective coating for glass and ceramic based on acrylic technology. WBC 5000 is available as a clear base which can be used as a clear coat, tinted with Schilling's WBT Waterborne Tinters, or can be supplied fully formulated in any transparent or opaque color. WBC 5000 is suitable for decorative glassware, art deco tile, ceramic for bath and exterior decoration, and liquor and wine bottles. Notable features of this product include:

- Excellent chemical and color bleed resistance
- Dry To Handle Before Curing
- Proposition 65 Compliant and BPA Free
- High pigment loading capacity
- Extreme abrasion resistance in filling line applications
- Compatible with Schilling UV cure inks for further decorating and overprint.

#### Handling and Application:

Store in a cool dry place out of direct sunlight. Do not allow to freeze. Prior to application, mix well, but do not shake. Surfaces to be coated should be clean and dry. Flame treatment may optionally be used on surfaces prior to application, and coating may optionally be flame treated after curing for enhanced inter-coat adhesion between ink and coating film.

|                |   |
|----------------|---|
| Cure Schedule  | Flash off then cure 380-410 for 15-30 minutes convection, 3-5 minutes infrared. Other cure schedules possible depending on line conditions and glass thickness. |
| Application    | Spray, Air Atomized or HVLP   |
| Reduction      | Pure water  |
| Viscosity @77F | 25" #4 Ford. Custom Viscosities Available.  |
| Substrate      | Clean glass or ceramic  |
| Film Thickness | 0.4-0.7 mil DFT   |
| Coverage       | 700 square feet per gallon at 0.5 mil DFT   |
| Clean Up       | Water clean-up. Glycol Ether EB or other organic solvents may also be used on dry residue.  |

#### Physical Properties

|              |   |
|--------------|---|
| Density      | 8.4-10.0 lb/gal. Density varies with color.                                   |
| Solids       | 20-23% volume solids. 23-26% weight solids. Solids content varies with color. |
| VOC and HAPS | 0.9 lb/gal as supplied. 2.6 lb/gal minus exempt. HAPS Free.                   |

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