



Schilling inc.
INKS & COATINGS

WBC 5500 Acrylic Frost Coating for Glass

TECHNICAL DATA SHEET

Product:

WBC 5500 is a decorative and protective acrylic frost coating for glass and ceramic. WBC 5500 is available as a transparent base which can be used as is, tinted with Schilling's WBT Waterborne Tinters, or can be supplied fully formulated in any transparent or opaque color. WBC 5500 is suitable for decorative glassware, art deco tile, ceramic for bath and exterior decoration, sublimation base, 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 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	Standard Viscosity 25" #4 Ford. Custom viscosities available.
Substrate	Clean glass or ceramic
Film Thickness	0.4-0.7 mil DFT
Coverage	800 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	8.6-10.0 lb/gal. Density varies with color.
Solids	22-25% volume solids. 24-30% weight solids. Solids content varies with color.
VOC and HAPS	0.9 lb/gal as supplied. 2.3 lb/gal minus exempt. HAPS Free.

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