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Pearl Binder 301

Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | High/Low
- **Bleed Resistance** | None
- **Flash Temperature** | 160°F (71°C)/decreases with deposit thickness
- **Cure Temperature** | 320°F (160°C)
- **Squeegee Hardness** | Medium
- **Squeegee Blade** | Sharp
- **Squeegee Angle** | 45 degrees to screen
- **Squeegee Speed** | Medium
- **Underlay** | N/A
- **Emulsion** | Direct or indirect
- **Mesh Count** | 80-110 mc in (32-43 mc cm)
- **Thinner** | RV Additive
- **Thickener** | Thickener B
- **Storage** | 65°F to 95°F (18°C to 35°C). Avoid direct sun.
- **Cleanup** | Water and mild soap or detergent
- **Color Range** | Pearlescent
- **Substrate Type** | All
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

Description

Pearl Binder 301 is a pearlescent base that can be used as a standalone or blended with “**Neo Pigments**” to create multiple colors.

Features

- Easy to mix and print
- Create multiple colors when tinted up to 2% with Neo Pigments
- Excellent printability with no viscosity modifications
- Extremely soft hand feel that PVC inks cannot achieve
- OEKO-TEX® Compliant, CPSIA and HR4040 Compliant
- Is “**PVC Free**” and environmentally safe

Application

Print through mesh up to 110 mc in (120 mc cm) when cured at 320°F (160°C).

Special Recommendations

Pearl Binder 301 should be mixed in clean vessels using clean mixing blades and utensils. Any contamination from other ink sources or non-approved additives could make **Pearl Binder 301** test positive for restricted PVC's.

- **Pearl Binder 301** can be dry cleaned or ironed
- Use Retarder MG 1-5% to help with open time in the screen
- Use Fixer WF-N 1-5% to help with wash fastness
- Use Softener MG 1-4% to help penetrate in to the garment
- Use Thickener B .25-1% to help thicken the ink
- Use RV Additive 1-3% to reduce viscosity