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## 1901 Hydrochromic White

### 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** | White
- **Substrate Type** | Cotton
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

### Description

**Hydrochromic White** is a water sensitive base that disappears when wet and reappears when dried.

### Features

- Easy to mix and print
- Can be printed over a design to conceal it. Once the print is wet the design will appear
- Can be mixed with Neo Pigments to create pastel colors , after cure when color is wet **Hydrochromic White** disappears leaving color only
- 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 (43 mc cm) and cure at 320°F (160°C).

**Hydrochromic White** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

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

- 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