



Flow Agents (Non-Silicone)
Flow Agents (Silicone)
Anti Mar & Slip
Surface Tension Modifiers
Defoamers
Anti-Flood & Anti-Float
Special Chemistry
Miscellaneous
Pigment Dispersion
Stain Vehicles

## PRODUCT DATA SHEET

### WSV-3000

#### Wood Stain Vehicle

Product #130

US Pat. # 6,156,833

#### Applications

**WSV-3000** is a specially formulated oil emulsion that is absorbed into the wood fiber and repels water. This vehicle should be blended with high Tg Acrylic and Polyurethane emulsions to provide rich looking semi-transparent wood stains. Properly formulated stains can withstand repeated staining up to 4 hours without showing overlap marks.

**WSV-3000** should be formulated into the sanding sealer and topcoat to provide improved intercoat adhesion. The blending emulsion will determine the basic film properties.

#### Benefits

- Penetrating Wood Stain Vehicle
- Non-Grain Raising
- Wood Protectant Modifier and Sealer

#### Recommended Additions

Blending resins should be higher in Tg due to the plasticizing nature of **WSV-3000**. The recommended starting point can vary with the application technique. Spray applied stains may require 50 - 60% **WSV-3000** modification due to high atomization pressures. Typical modifications for wiping stains will be 25 - 35% with **WSV-3000**. Sanding sealers (15 - 25%) and topcoats (5 - 15%) should be modified with **WSV-3000** to enhance workability and intercoat adhesion.

#### Typical Properties

**Visc.:** 200 - 600 cps  
**Color:** Milky White  
**Rheology:** Thixotropic  
**Solids:** 13 - 15 %  
**Wt./Gal.:** 8.15 - 8.35 lbs./gal  
**pH:** 8.3 - 8.7  
**Particle Size:** 0.4 - 0.6 microns  
**VOC Content:** Less than 25 grams/liter