



**Lubrizol**

PERFORMANCE COATINGS

# SOLSPERSE™ WV 400

HIGH PERFORMANCE POLYMERIC DISPERSANT FOR WATER-BORNE INDUSTRIAL AND AUTOMOTIVE COLORANTS AND COATINGS

Solspersse WV 400 is an optimized, high molecular weight dispersant designed for resin-free/resin-minimal pigment dispersion in high performance coatings. Automotive and Industrial paint formulators will experience the benefits of enhanced process efficiency, outstanding performance, water resistance and stability when incorporating Solspersse WV 400 into their application.

### **Flexibility leads to efficiency**

Solspersse WV 400 is designed primarily for resin-free dispersions across a wide range of organic and inorganic pigments, and it is also suitable for resin-minimal containing formulas. Solspersse WV 400 can increase pigment loading and enhance overall product efficiency; resulting in faster throughput and overall cycle time reduction.

### **Outstanding performance**

Solspersse WV 400 offers the ability to significantly lower viscosity across multiple pigment chromophores at typical shear rates. In reducing and stabilizing the particle size, Solspersse WV 400 provides excellent color strength and enhanced leveling with improved film appearance. Real-world test results indicate Solspersse WV 400 has minimal impact on water sensitivity compared to commercial products. Additionally, it offers excellent dispersion stability, even at elevated temperatures.

### WHAT WE ADD MAKES THE DIFFERENCE.™

- EXCELLENT VISCOSITY REDUCTION PROPERTIES
- EFFECTIVE ON ORGANIC AND INORGANIC PIGMENTS
- PRODUCES HIGHLY STABLE DISPERSIONS
- BROAD COMPATIBILITY WITH A WIDE RANGE OF RESIN SYSTEMS
- EFFECTIVE IN RESIN-FREE APPLICATIONS



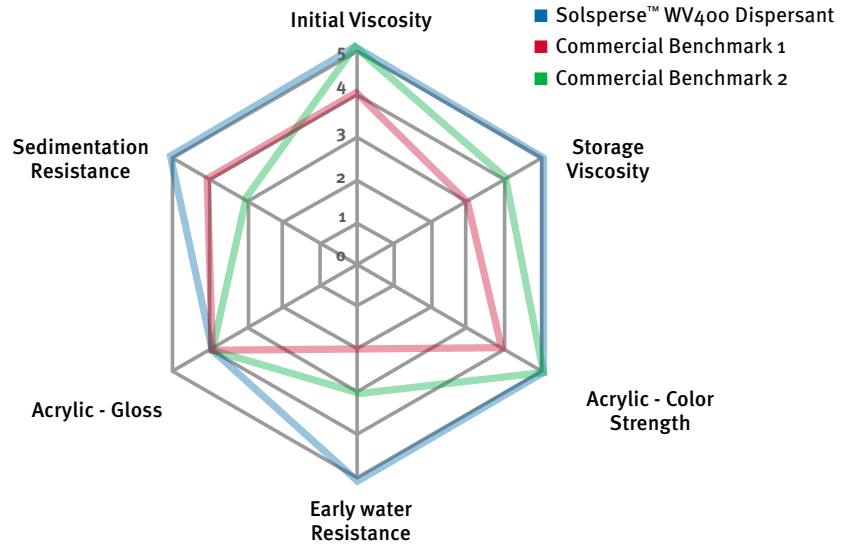
**SOLSPERSE™**  
HYPERDISPERSANTS  
SIMPLY BRILLIANT.

[www.lubrizol.com/metal](http://www.lubrizol.com/metal)

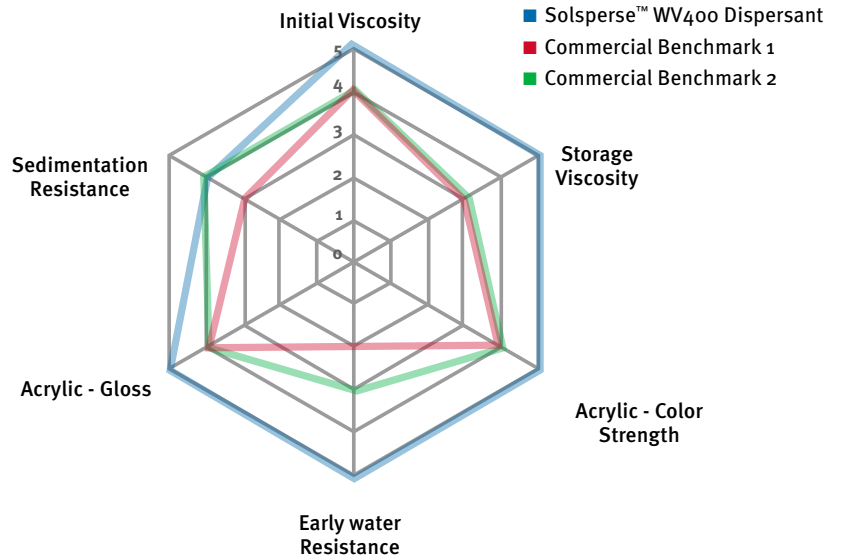
## FEATURES & BENEFITS

- EXCELLENT PIGMENT WETTING
- HIGH COLOR STRENGTH AND JETNESS WITH CARBON BLACK PIGMENTS
- PRODUCES HIGHLY PIGMENTED CONCENTRATES WITH GOOD RHEOLOGY CHARACTERISTICS
- FORMULATING SAVINGS

### PIGMENT YELLOW 42 BAYFERROX™ YELLOW 3290



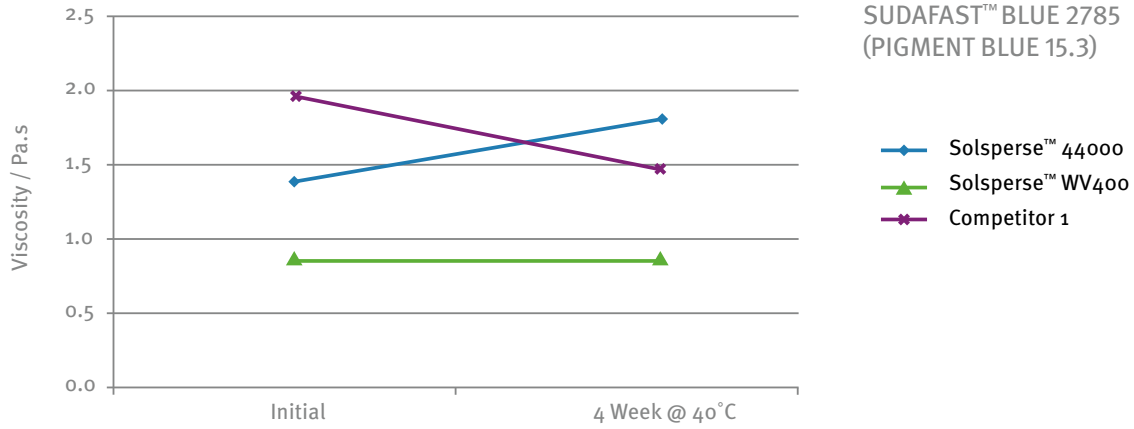
### PIGMENT RED 122 HOSTAPERM™ PINK E



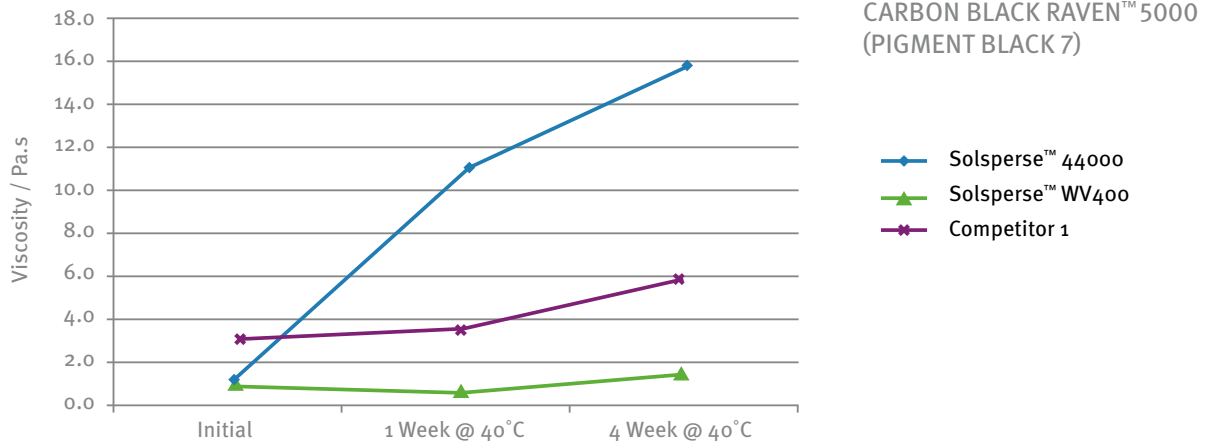
Solsperse™ WV 400 dispersant tested excellent for viscosity, color intensity, gloss and storage stability in difficult to disperse pigment selections

BAYFERROX™ is a trademark of Lanxess  
HOSTAPERM™ is a trademark of Clariant

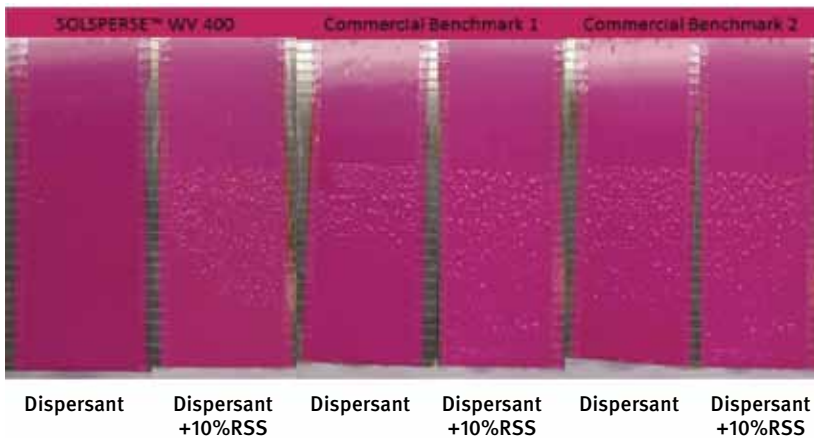
### Viscosities in Sudafast Blue



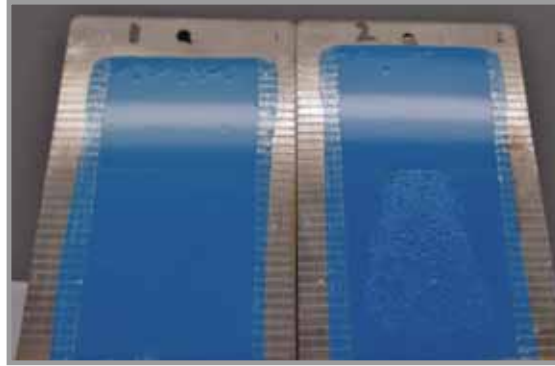
### Viscosities Change on Storage



HOSTAPERM™ PINK E (PIGMENT RED 122)  
SOLSPERSE™ WV400 HYPERDISPERSANT  
ASTM D870 PRACTICE FOR TESTING WATER RESISTANCE OF  
COATINGS USING WATER IMMERSION 24 HRS 40° C

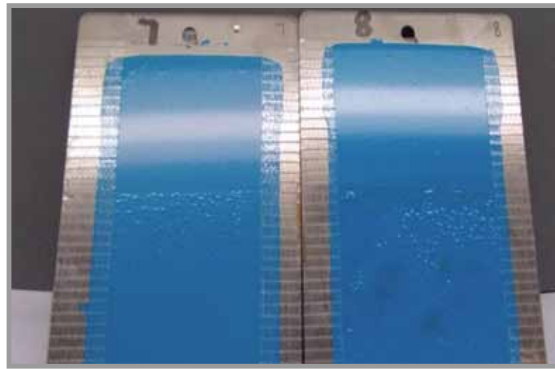


ASTM D870 TEST METHOD FOR WATER RESISTANCE OF COATINGS, WATER IMMERSION – 24 HOURS



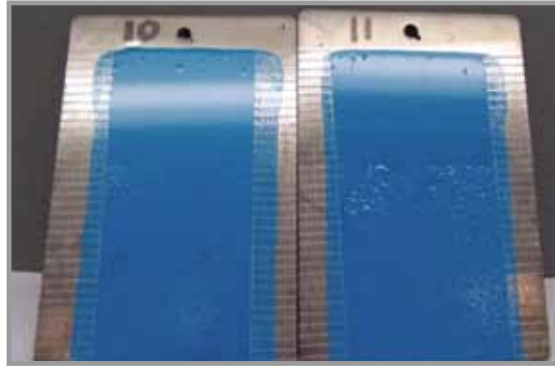
**SOLSPERSE™ WV400  
Dispersant**  
– Resin Free

**SOLSPERSE™ WV400  
Dispersant**  
+ 10% Grinding Resin



**Commercial Benchmark 1  
Dispersant**  
– Resin Free

**Commercial Benchmark 1  
Dispersant**  
+ 10% Grinding Resin



**Commercial Benchmark 1  
Advanced Dispersant**  
– Resin Free

**Commercial Benchmark 1  
Advanced Dispersant**  
+ 10% Grinding Resin

Minimal impact on water sensitivity can lead to optimal performance.

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**Lubrizol**

Visit us at:  
[www.lubrizol.com/metal](http://www.lubrizol.com/metal)

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