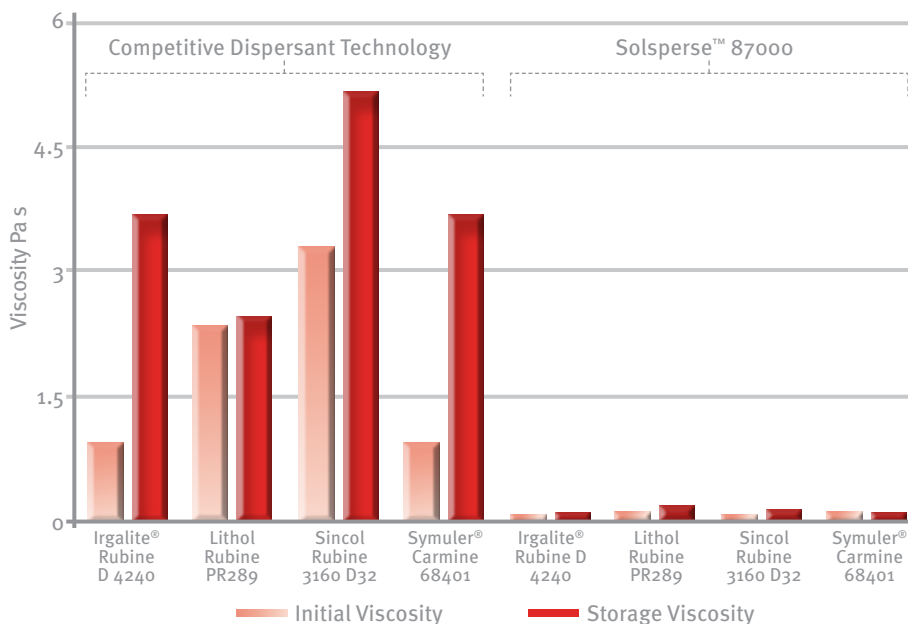


# SOLSPERSE™ 87000

Solsperse™ 87000 is a 100% active polymeric dispersant specifically designed to improve the storage stability on Pigment Red 57.1 in UV systems to prevent gelation.

## MILLBASE VISCOSITY AT 10 SEC<sup>-1</sup> IN DPGDA



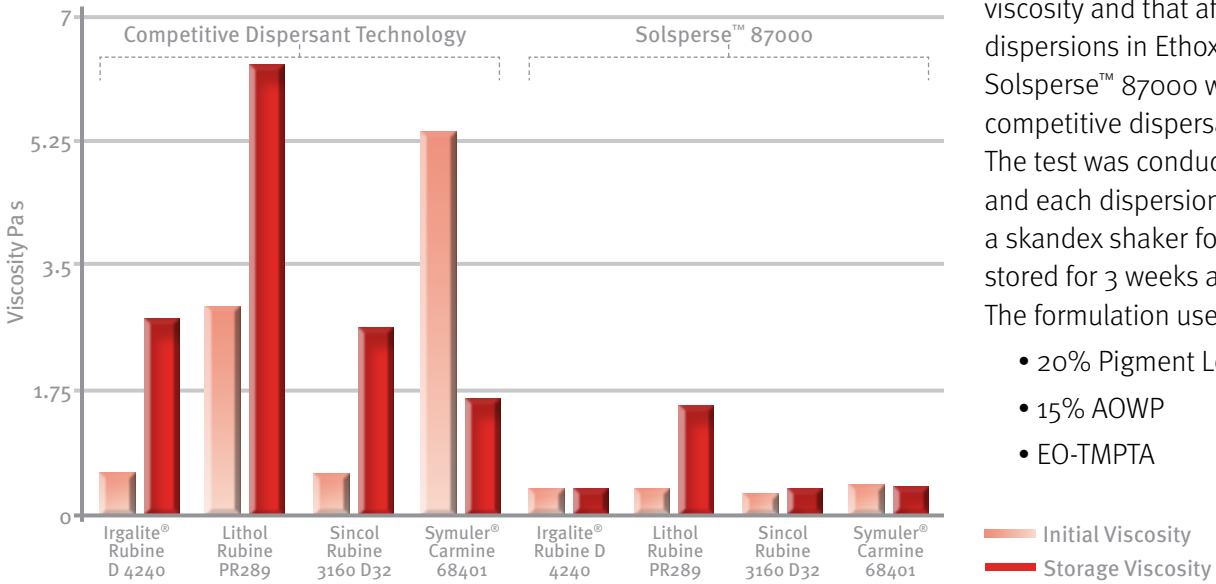
This graph compares the initial viscosity and that after storage of dispersions in DPGDA using Solsperse™ 87000 with that of a leading competitive dispersant technology. The test was conducted on 4 pigments and each dispersion was milled on a skandex shaker for 2 hours and stored for 3 weeks at 50 °C. The formulation used is:

- 25% Pigment Loading
- 15% AOWP
- DPGDA

## WHAT WE ADD MAKES THE DIFFERENCE.™

- 100% ACTIVE
- FLOWABLE LIQUID
- EXCELLENT VISCOSITY STABILITY
- WORKS ON WIDE RANGE OF RED PIGMENTS
- PARTICULARLY EFFECTIVE FOR PR 57.1
- SUITABLE FOR SOLVENT-BASED SYSTEMS
- SUITABLE FOR UV AND OTHER 100% SYSTEMS

## MILBASE VISCOSITY AT 10 SEC<sup>-1</sup> IN EO-TMPTA

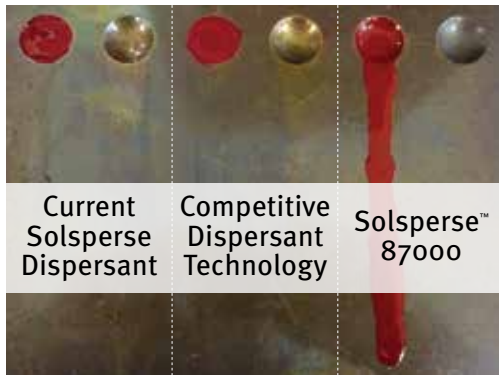


This graph compares the initial viscosity and that after storage of dispersions in Ethoxylated TMPTA using Solsperse™ 87000 with that of a leading competitive dispersant technology. The test was conducted on 4 pigments and each dispersion was milled on a skandex shaker for 2 hours and stored for 3 weeks at 50 °C.

The formulation used is:

- 20% Pigment Loading
- 15% AOWP
- EO-TMPTA

## BRASS PLATE FLOW TEST – 5 SECONDS

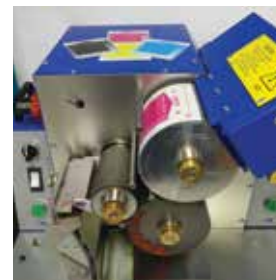
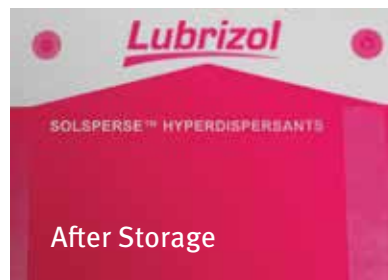


The brass plate flow test was conducted using millbases which had been in the oven at 50 °C for 3 weeks.

The first millbase was dispersed with a current Solsperse™ dispersant, the second with a leading competitive dispersant and the third with Solsperse™ 87000 dispersant.

Formulation details:

- 25% Pigment loading – Irgalite Rubine D4240
- 15% AOWP
- DPGDA
- 2 hours milling on a skandex shaker
- 3 weeks millbase storage at 50 °C
- 5 second brass plate test



The pictures above show prints made from millbases before and after storage at 50 °C for 4 weeks using Solsperse™ 87000 and the UV flexographic printer used to print them.

Irgalite® Rubine D4240 is a registered trademark of BASF.  
Sincol Rubine 3160 D-32 is a trademark of Union Colours.  
Lithol Rubine PR-289 is a trademark of Lansco Colors.  
Symuler® Carmine 6B 401 is a registered trademark of Sun Chemical.

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