



## TECHNICAL DATA SHEET

### Setyrene 23-4438

A high-solids silicone modified copolymer alkyd

#### General description:

Setyrene 23-4438 is a high-solids silicone alkyd copolymer resin designed for use in coatings requiring extreme durability. Setyrene 23-4438 contains 30% silicone modification as based upon resin non-volatile. Such modification greatly enhances exterior durability, gloss retention and resistance to environmental chemicals. This resin will allow formulation of 3.5 # / 420 gm. VOC coatings.

#### Technical features:

1. Very good exterior durability, gloss retention and resistance to chemicals
2. Will meet VOCs of 3.5 # / 420 gm.
3. Meets vehicle resin requirements of MIL-PRF-24635E

#### Suggested uses:

1. Durable air-dry coatings for wood or metal
2. Maintenance and marine coatings

**Delivery form:** 80.0 % n.v. in odorless mineral spirits/propylene glycol mono-methyl ether acetate

**Ratio of solvents:** 75 / 25 pbw

#### Typical properties:

Property	Value	Units	Method *
Non-volatiles, by weight	80.0 ± 1.0	%	1 – 1
Viscosity, @ 75°F	Z2 – Z4	Gardner-Holdt	2 – 1
Color	8 maximum	Gardner	3 – 1
Acid value, on n.v.	12 maximum	mg KOH/g	5 – 1
Appearance	clear, free of extraneous matter		7 – 1

\* SDM: Nuplex Resins methods of determination (available on request)

Density: 8.60 ± 0.10 lbs./gal Siloxy equiv. wt. = 2200  
Flash point: 114°F Setaflash  
Reduced viscosity: W – Y @ 70% in mineral spirits  
Non-volatiles, by vol.: 74.3% *On DSL Inventory*

**Updated:** December, 2012

All information, recommendations and suggestions, concerning the product and its use, are believed to be reliable. However, Nuplex Resins gives no assurance as to the accuracy, completeness, or adequacy for a particular purpose. It is the user's responsibility to determine the suitability for its own use of the products. No guarantee (whether expressed or implied) is made by Nuplex Resins as to the results to be obtained from using the described products, nor shall Nuplex Resins be liable for any use by others of the described products. Users are responsible for ensuring compliance with local legislation and obtaining the necessary certifications and authorizations. All orders are subject to the general conditions of sale of Nuplex Resins, which are printed overleaf and/or can be downloaded from [www.nuplexresins.com](http://www.nuplexresins.com). All of user's general terms and conditions are herewith deemed rejected. Nuplex Resins owns all copyrights and other intellectual property rights in the contents of this document. Reproduction or redistribution in any form is not allowed.