



## TECHNICAL DATA SHEET

### Roskydal 500 A

An unsaturated polyester [66-4500]

#### General description:

Roskydal 500 A is a wax-free unsaturated polyester resin which cures to yield hard, scratch-resistant films for brilliant high-gloss or matt finishes with good chemical resistance. Coatings formulated with Roskydal 500A have very good flow properties. The addition of up to 30% Roskydal E 70 (66-4070) improves the flexibility and polishability of the films without reducing the scratch resistance. Fillers and putties can also be flexibilized with Roskydal E 70 (66-4070). Coatings based on Roskydal 500 A are cured with a cobalt/ hydroperoxide combination.

#### Technical features:

1. Wax-free
2. Hard films with excellent scratch-resistance
3. Excellent chemical resistance

#### Suggested uses:

1. Clear and pigmented wax-free coatings for wood and furniture
2. Spray and curtain-coating fillers for wood, metal and plastic

**Delivery form:** 76% non-volatile in styrene

#### Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	76 ± 1	%	DIN EN ISO 3251
Viscosity (23°C)	1800 ± 200	mPa s	DIN EN ISO 3219/A
Acid value (as such)	15 ± 5	mg KOH/g	DIN EN ISO 2114
Hazen color value	100 maximum	Hazen	DIN EN 1557

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

Density, at 20°C: 9.33 lbs./gal  
Flash point: 37°C  
Non-volatiles, by vol.: 70.2%

*On DSL Inventory*

**Stability:** when stored in originally sealed containers at temperatures not exceeding 73°F, the product will remain stable for 6 months.

**Updated:** April, 2014

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.