



# Product Data Sheet Urakyd™ AD46 W-70

## Long-oil alkyd resin based on soya-bean oil

### Applications

- economical interior and exterior decorative enamels
- economical primers and undercoats
- wood and steel substrates

### Principal properties

- drying speed
- yellowing resistance

### Dilutability

White spirit	complete
Xylene	complete
Isoparaffinic solvent	complete
n-Butanol	insoluble

### Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	limited
Modified alkyds	limited
Linseed stand oil 30 dPa.s	limited
Rosin maleic resins	limited

### Recommendations on formulation and use

Because of its higher viscosity Urakyd AD46 is extremely suitable for low cost and faster drying paints.

#### Pigments:

Urakyd AD46 is compatible with all usual pigments and extenders. Reactive pigments such as zinc oxide may be used.

### Test methods

Test methods (TM) referred to in the tables are available on request.

### Delivery form:

70% in white spirit

### Product specifications

Property	Range	Unit	TM
Viscosity, Falling ball 23°C	350-450	dPa.s	2001
Color, Gardner	0-7	-	2017
Solids content	69-71	%	2038
Appearance	clear	-	2265
Acid value, on solid	5-10	mg KOH/g	2401

### Other product data

Property	Value	Unit	TM
Oil length	ca. 63	%	-
Type of oil	soya-bean	-	-
Phthalic acid content	ca. 26	%	-
Density, 23°C	ca. 970	kg/m <sup>3</sup>	2160
Flash point	ca. 38	°C	2800

### Drier system

For optimal drying characteristics it is recommended to use (weight % metal on solid resin):

Cobalt drier	0.05 - 0.06%
Calcium drier	0.1 - 0.2%
Zirco drier	0.3 - 0.5%

### Storage guidelines

The resin should be stored indoors in the original, unopened and undamaged containers in a dry place at storage temperatures between 5° C and 30° C. Exposure to direct sunlight should be avoided.

### Shelf life

Under the stipulated storage conditions, the anticipated shelf-life is 365 days from last quality control date, as stated in the Certificate of Analysis.

### Material safety

A material safety data sheet of the products is available on request.

