



Product Data Sheet Urakyd™ AD45 W-70

Long-oil alkyd resin based on soya bean oil

Applications

- interior and exterior decorative enamels
- primers and undercoats
- wood and steel substrates
- multi purpose

Principal properties

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

Pigments:

This resin is compatible with the usual pigments and extenders. Reactive pigments such as zinc oxide may be used.

Starting formulations

Starting formulations available on request.

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	95 - 125	dPa.s	2001
Color, Gardner	0 - 6	-	2017
Solids content	69 - 71	%	2025
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. 965	kg/m ³	2160
Flash point	ca. 36	°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.

