



Product Data Sheet Urakyd™ AD44 Q₁-70

Long-oil alkyd resin based on soya-bean oil

Applications

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

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.

Delivery form:

70% in de-aromatised hydrocarbon D60

Product specifications

Property	Range	Unit	TM
Viscosity, ISO 3219	40-55	dPa.s	2013
Color, Gardner	0 - 6	-	2017
Solids content	69 - 71	%	2025
Appearance	clear	-	2265
Acid value, on solid	4 - 12	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 ³	2160
Flash point	ca. 60	°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.

Test methods

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

