



Product Data Sheet Urakyd™ AK436 W-55

**Medium-oil, chain stopped alkyd resin
based on processed soya-bean fatty acids**

Applications

- car refinishes
- machinery coatings
- joinery industry

Principal properties

- pigment wetting
- gloss retention
- yellowing resistance
- through-drying
- outdoor durability

Dilutability

Xylene	complete
n-Butyl acetate	complete
Methyl ethyl ketone	complete
White spirit	complete
n-Butanol	insoluble

Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	complete
Modified alkyds	limited
Linseed stand oil 30 dPa.s	limited
Rosin maleic resins	limited
Cellulose nitrate, 2 sec	complete

Recommendations on formulation and use

Urakyd AK436 W-55 is suitable for application in air drying industrial coatings e.g. car repair, agricultural equipment, machinery enamels and coatings for the timber industry.

The specially processed soya-bean fatty acids ensure colour stability and yellowing resistance.

The addition of petrol-compatible poly-isocyanates via the spraying thinner improves hardness, through-drying and petrol resistance.

Delivery form:

55% in white spirit

Product specifications

Property	Range	Unit	TM
Solids content	53 - 56	%	2025
Viscosity, 23° C	6.0 - 8.0	Pa.s	2013
Acid value, on solid	5 - 10	mg KOH/g	2401
Color, Gardner	0 - 5	-	2017
Appearance	clear	-	2265

Other product data

Property	Value	Unit	TM
Oil length	49	%	-
Type of oil	processed soya-bean	-	-
Hydroxyl content, on solid	ca. 1.9	%	2430
Density, 23° C	ca. 942	kg/m ³	2160
Flash point	ca. 45	°C	2800

Drier system

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

Cobalt drier	0.04 - 0.05%
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.

Starting formulations

Starting formulations available on request.

