



# Product Data Sheet Urakyd™ B490 50K21

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

### Applications

- car repair topcoats
- spray can topcoats
- air drying/forced drying industrial applications

### Principal properties

- pigment wetting
- drying speed
- low yellowing

### Dilutability

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

### Compatibility

Short-oil alkyds	complete
Cyclised rubber	complete
Chlorinated rubber	complete
Urea-formaldehyde resins	complete
Rosin maleic resins	limited

### Recommendations on formulation and use

In paint formulations the usual pigments and/or extenders may be used.

### Drier system

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

Cobalt drier	0.01 - 0.03%
Calcium drier	0.05 - 0.1%
Zirco drier	0.1 - 0.3%

### Delivery form:

50% in white spirit 130-180° C

### Product specifications

Property	Range	Unit	TM
Solids content	49 - 51	%	2038
Viscosity, DIN cup 20° C (45% in K21)	110-130	sec	2008
Acid value, on solid	4 - 12	mg KOH/g	2401
Color, Gardner	0 - 6	-	2017
Appearance	clear	-	2265

### Other product data

Property	Value	Unit	TM
Oil length	49	%	-
Type of oil	soya-bean	-	-
Hydroxyl content	1.4	%	2432
Density, 23° C	ca. 915	kg/m <sup>3</sup>	2160
Flash point	25-30	° C	2800

### 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.

