



Product Data Sheet Urakyd™ B53 Q-55

Medium-oil chain stopped alkyd resin based on linoleic rich fatty acids

Applications

- enamels for semi-industrial purposes on steel

Principal properties

- drying speed
- yellowing resistance
- outdoor durability
- gloss level

Dilutability

White spirit	complete
Xylene	complete
n-Butyl acetate	complete
Methyl ethyl ketone	complete
SBP 100-140 °C	almost 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 B53 is suitable for application in air drying industrial coatings e.g. car repair, agricultural equipment, machinery enamels.

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

Delivery form:

55% in de-aromatised hydrocarbon D40

Product specifications

Property	Range	Unit	TM
Solids content	54 - 56	%	2038
Viscosity, 20 °C, DIN4 @40% solids in D30	70 - 100	s	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	47	%	-
Type of fatty acids	Linoleic rich	-	-
Hydroxyl content	ca. 2.4	%	-
Density, 23 °C	ca. 940	kg/m ³	2160
Flash point	ca. 40	°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.

