



Product Data Sheet Urakyd™ AR202 Q-50

Poly urethane modified long-oil alkyd resin based on linoleic rich oils

Applications

- flooring
- semi gloss paints
- wood finish/boat varnish

Principal properties

- hardness
- abrasion resistance

Dilutability

Aliphatic hydrocarbons	complete
Aromatic hydrocarbons	complete
n-Butanol	insoluble

Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	complete
Linseed stand oil 30 dPas	incompatible
Rosin maleic resins	complete

Recommendations on formulation and use

Urakyd AR202 is suitable for scratch resistant semi-gloss paints, abrasion resistant floor paints and boat varnishes. Urakyd AR202 has a high viscosity, connected to fast initial drying and good through-hardening. The stability of Urakyd AR202, applied in paints with inert pigments and/or extenders, is good. The use of reactive pigments and/or extenders should be avoided. A sufficient quantity of anti-skinning agent should be used for improved stability.

Starting formulations

Starting formulations available on request.

Test methods

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

Material safety

A material safety data sheet of the products is available on request.

Delivery form:

50% in de-aromatised hydrocarbon D40

Product specifications

Property	Range	Unit	TM
Viscosity, 23°C	45 - 55	dPa.s	2324
Color, Gardner	max. 7	-	2017
Solids content	49 - 51	%	2025
Appearance	clear	-	2265
Acid value, on solid	0 - 5	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Oil length	ca. 60	%	-
Type of oil	linoleic rich	-	-
Type of modification	TDI	-	-
Free Isocyanate	0	%	-
Density, 23°C	ca. 910	kg/m ³	2160
Flash point	ca. 38	°C	2800

Drier system

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

Cobalt drier	0.02 - 0.03%
Calcium drier	0.05 - 0.1%
Zirco drier	0.2 - 0.3%

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.

