



Product Data Sheet Urakyd™ OR318 V-50

**Poly urethane modified oil based on
linoleic rich oils**

Applications

- wood varnishes
- maintenance and marine paints

Principal properties

- drying speed
- hardness
- abrasion resistance
- chemical resistance
- gloss level
- outdoor durability

Dilutability

Aromatic hydrocarbons	complete
n-Butyl Acetate	complete
Methyl ethyl ketone	complete
Aliphatic hydrocarbons	limited
n-Butanol	insoluble

Compatibility

Long oil alkyd resins	complete
Medium oil alkyd resins	complete
Cellulose nitrate	limited
Cellulose acetate butyrate	limited

Recommendations on formulation and use

Urakyd OR318 is recommended when quick drying, good early water resistance and quick build-up of film properties is desired.

Starting formulations

Starting formulations available on request.

Test methods

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

Delivery form:

50% in low aromatic white spirit (3%)

Product specifications

Property	Range	Unit	TM
Viscosity, Falling ball 23°C	35 - 50	dPa.s	2324
Color, Gardner	max. 6	-	2017
Solids content	49 - 51	%	2025
Appearance	clear	-	2265
Acid value, on solid	0 - 3	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Oil length	ca. 63	%	-
Type of oil	linoleic rich	-	-
Type of modification	TDI	-	-
Free isocyanate content	0	%	-
Density, 23°C	ca. 905	kg/m ³	2160
Flash point	ca. 36	°C	2800

Drier system

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

Cobalt drier	0.002 - 0.01%
Calcium drier	0.05 - 0.1%
Zirco drier	0.3%

or:

Cobalt drier	0.02 - 0.03%
--------------	--------------

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 product is available on request.

