



Product Data Sheet Urakyd™ AR206 Q1-55

Polyurethane modified medium oil alkyd resin based on vegetable oils

Applications

- yacht varnishes
- marine paints
- decorative paints

Principal properties

- abrasion resistance
- hardness (improvement)
- flexibility
- water resistance

Dilutability

Aliphatic hydrocarbons	complete
Aromatic hydrocarbons	complete
n-Butanol	insoluble

Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	complete
Linseed stand oil 30 dPa.s	insoluble
Rosin based esters	limited

Recommendations on formulation and use

Urakyd AR206 is suitable for abrasion resistant floor paints, Protective & Maintenance finishes and boat varnishes. Paints based on Urakyd AR206 have a good resistance to weak alkalis and cleaning agents. The stability of Urakyd AR206, in paint systems with inert pigments and/or extenders, is good. Care should be taken with reactive pigments and extenders.

A sufficient quantity of anti-skinning agent should be used for improved stability.

Test methods

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

Delivery form:

55% in de-aromatised hydrocarbon D60

Product specifications

Property	Range	Unit	TM
Viscosity, Falling ball 23°C	13 - 20	dPa.s	2001
Color, Gardner	max. 6	-	2017
Solids content	54 - 56	%	2038
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 oils	vegetable	-	-
Type of modification	TDI	-	-
Free Isocyanate content	0	%	-
Density, 23°C	ca. 925	kg/m ³	2160
Flash point	ca. 62	°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	0.2- 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.

Material safety

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

