



Product Data Sheet Urakyd™ OR313 Q-55

Polyurethane modified long oil alkyd based on soya bean oil/DCO

Applications

- floor lacquers
- water resistant paints
- boat varnishes

Principal properties

- hardness
- drying speed
- yellowing resistance
- abrasion resistance

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 OR313 Q-55 is suitable for quick drying varnishes as floor varnishes, furniture lacquers and other wood finishes. The total composition of the resin results in good yellowing resistance and good drying and through-hardening.

Urakyd OR313 Q-55 in combination with longer oil alkyds will improve the drying of the latter ones.

Starting formulations

Starting formulations available on request.

Test methods

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

Delivery form:

55% in de-aromatised hydrocarbon D40

Product specifications

Property	Range	Unit	TM
Viscosity, Emila 23°C	27 - 33	dPa.s	2324
Color, Gardner	0 - 6	-	2017
Solids content	55 - 57	%	2025
Appearance	clear - sl. hazy	-	2265
Acid value, on solid	0 - 3	mg KOH/g	2401

Other product data

Property	Value	Unit	TM
Oil length	70	%	-
Type of oil	soya-bean/DCO	-	-
Type of modification	TDI	-	-
Free isocyanate content	0	%	-
Density, 23°C	ca. 908	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	0.02-0.05%
or	
Manganese drier	0.03-0.05%

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.

