



# Product Data Sheet Urakyd™ HS242 Q-80

## Silicone modified high solid alkyd resin

### Applications

Suitable for VOC 2010 compliant decorative coatings:

- high durable decorative topcoats
- high durable wood stains

### Principal properties

- durable
- high gloss retention
- for formulated paints with VOC below 300 g/l

### Dilutability

Aliphatic hydrocarbons	complete
Aromatic hydrocarbons	complete
Alcohols, ketones	limited
Glycol ethers	limited

### Compatibility

Linseed stand oil 30 dPas	complete
Long oil alkyds	complete
Medium oil alkyds	limited

### Recommendations on formulation and use

Urakyd HS242 Q-80 is a silicone - modified alkyd resin for the production of high solid decorative topcoats and stains with VOC lower than 300 g/l. Paints based on Urakyd HS242 Q-80 have outstanding gloss retention and high durability. It can be used as sole binder or can be combined with Urakyd HS233 Q1-85 or straight alkyd resins. The highest durability will be obtained by the use as sole binder.

### 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.

### Starting formulations

Starting formulations are available on request.

### Delivery form:

80% in de-aromatised hydrocarbon D40

### Product specifications

Property	Range	Unit	TM
Colour, Gardner	0 - 8	-	2017
Solids content	79 - 81	%	2025
Appearance	clear	-	2265
Viscosity, ISO3219	1000 - 2000	mPa.s	2013

### Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 980	kg/m <sup>3</sup>	2160
Flash point	ca. 40	°C	2800
Oil length	ca. 50	%	-
Acid value, on solid	Max. 10	mg KOH/g	2401

### Drier system

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

Calcium drier	0.15 %
Cobalt drier	0.06 %
Zirco drier	0.5 %

Ca. 0.4% anti-skinning agent should be added to the formulation.

### Shelf life

Under the above mentioned storage conditions the shelf life of the resin will be 365 days ex works.

### 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.

