



Product Data Sheet Urakyd™ HS233 Q1-85

Low VOC, air drying resin

Applications

- decorative and maintenance paints
- interior and exterior use
- high solids, low VOC decorative opaque trim paints, cat d. VOC < 300 g/L, European Directive 2004/42/CE

Principal properties

- low yellowing
- good shear-thinning rheology behavior
- very good drying speed
- good hardness
- good levelling

Dilutability

White spirit	complete
Xylene	complete
Aliphatic solvent	complete
Isoparaffinic solvent	complete
n-Butanol	limited

Compatibility

Long-oil alkyds	complete
Medium-oil alkyds	limited
Modified alkyds	limited
Linseed stand oil 30 dPa.s	limited
Rosin maleic resins	limited

Recommendations on formulation and use

Urakyd HS233 Q-85 is an air-drying resin for the production of high solid decorative and maintenance topcoats and primers with a VOC lower than 300 g/L.

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.

Delivery form:

85% in de-aromatised hydrocarbon D60

Product specifications

Property	Range	Unit	TM
Solids content	84 - 86	%	2025
Viscosity (ISO 3219)	14 - 18	Pa.s	2013
Color acc. to ISO 4630/6271	max. 8	-	2017
Acid value, on solid	2 - 6	mg KOH/g	2401
Appearance	clear	-	2265

Other product data

Property	Range	Unit	TM
Oil length	ca. 70	%	-
Type of oil	soya	-	-
Density 23°C	ca. 990	kg/m ³	2160
Flash point	ca. 60.5	°C	2800

Drier system

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

Calcium drier	0.1%
Cobalt drier	0.07%
Zirconium drier	0.5%

Ca. 0.3% anti-skinning agent should be added on 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.

