



Product Data Sheet Urakyd™ HS243 Q-75

Low VOC, urethane-modified air drying resin

Applications

- low VOC decorative trim paints, cat d. VOC < 300 g/L, European legislation
- VOC 2010 compliant paints

Principal properties

- fast drying
- fast drying at low temperature
- high hardness
- scratch resistance
- tough

Dilutability

White spirit	complete
Xylene	complete
Aliphatic solvents	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 HS243 Q-75 can be used as a sole resin, especially in full tone colours. In combination with alkyd resins or other solvent borne resins, Urakyd HS243 Q-75 can be used to upgrade the drying speed, hardness and toughness of VOC2010 compliant decorative paints.

Solvents: White spirit or aliphatic solvents are suitable solvents.

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:

75% in de-aromatised hydrocarbon D40

Product specifications

Property	Range	Unit	TM
Color, Gardner	0 - 8	-	2017
Solids content	74 - 76	%	2025
Appearance	clear	-	2265
Acid value, on solid	0 - 3	mg KOH/g	2401
Viscosity, 23°C	25 - 50	dPa.s	2324

Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 945	kg/m ³	2160
Flash point	ca. 42.5	°C	2800

Drier system

For proper drying characteristics it is recommended to use Calcium, Cobalt and Zirconium driers. Ca. 0.3% anti-skinning agent should be added on formulation.

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 analyses.

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.

Starting formulations

Starting formulations are available on request.

