



Product Data Sheet Urakyd™ HT41 55SOLA

Phenolic modified short oil alkyd resin based on wood oil and linoleic rich fatty acids

Applications

In anti-corrosion primers, shop primers, quick drying industrial primers, fillers, machinery paints and synthetic enamals; in combination with non-plasticized melamine resin for oven drying industrial coatings and for metal primers meeting German Federal Railway (Bundesbahn) Standard (TL 918.300 Bl 3)

Principal properties

- drying speed
- adhesion

Dilutability

Mineral Spirit 100/140	0
White Spirit	0
Trichloroethylene	+
Xylene	+
Solvent Naphta	+
Terpentine	0
Tetraline	+
Ethylacetate	+
n-Butylacetate	+
Ethylene glycol (acetate)	+
MEK & MIBK	+
Ethanol & Isopropanol	-
n-Butanol	0

Compatibility

Alkyd resin, low oil non-drying	0
Alkyd resin, low oil drying	+
Alkyd resin, medium oil drying	+
Alkyd resin, high oil drying	0
Epoxy resin esters	0
Rosin esters (incl phenolic mod.)	+
Maleinate resin	+
Non plasticized urea resins	0
Non plasticized melamine resins	+
Chlorinated & Cyclized rubber	0
Nitrocellulose	+
Phthalates	+
Blown Castor oil	0
Refined linseed oil	0
Linseed oil	-

Delivery form:

55% in solvent Naptha 100

Product specifications

Property	Range	Unit	TM
Solids content	54 - 56	%	2025
Viscosity	2.5 - 3.3	Pa.s	2013
Acid value, on solid	0 - 15	mg KOH/g	2401
Color, Gardner	0 - 8	-	2017
Appearance	clear	-	2265

Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 997	kg/m ³	2160
Flash point	ca. 25	°C	2800

Product offers good drying results coupled with excellent adhesion and elasticity reserves. These properties can be further improved by addition of small amounts of epoxy resin esters. Further features are good overspraying with nitrocellulose lacquers, outstanding corrosion resistance, and the ability to be thinned with relatively large amounts of white spirit.

Drier system

Mixed metal cobalt-zinc-barium or cobalt-zirconium-barium siccatives have been found best for drying.

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.

Test methods

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

