Product Data Sheet
Urakyd™ AM351 X-50

Phenolic modified short-oil alkyd resin based on TOFA and tung oil

Applications
- anti-corrosive primers
- chassis paints
- industrial wood coatings

Principal properties
- drying speed
- adhesion
- recoatability

Dilutability

Xylene	complete
n-Butyl acetate	complete
Methyl ethyl ketone	complete
n-Butanol	limited
White spirit	limited

Compatibility

Short-oil alkyds	complete
Medium oil alkyds	limited
Long oil alkyds	incompatible
Rosin maleic resins	limited
Urea-formaldehyde resins	complete
Cellulose nitrate ½ sec.	limited

Recommendations on formulation and use
Urakyd AM351 can be used for fast initial drying anti-corrosive primers with good recoatability and non-lifting properties. These can be applied by spraying or dripping.
The compatibility of reactive pigments and/or extenders should be carefully checked for impact on shelf life.

Material safety
A material safety data sheet of the products is available on request.

Starting formulations
Starting formulations available on request.

Delivery form:
50% in xylene

Product specifications

Property	Range	Unit	TM
Solids content	49 - 51	%	2025
Viscosity, Falling ball 23°C	20 - 30	dPa.s	2001
Acid value, on solid	26 - 32	mg KOH/g	2401
Colour, Gardner	0 - 9	-	2017
Appearance	clear	-	2265

Other product data

Property	Value	Unit	TM
Oil length	32	%	-
Type of oils	TOFA/tung	-	-
Phthalic acid content	ca. 38	%	-
Modification	phenolic/rosin	-	-
Density, 23°C	ca. 990	kg/m³	2160
Flash point	ca. 26	°C	2800

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

Cobalt drier	0.03%
Calcium drier	0.1%
Zirco drier	0.3%

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.