Product Data Sheet
Urakyd™ AM356 X-60

Phenolic modified short-oil alkyd resin based on linseed / tung oil

Applications
- air drying primers and fillers for metal

Principal properties
- drying speed
- adhesion
- water resistance
- corrosion resistance

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
Primers and fillers based on Urakyd AM356 can be recoated with cellulose nitrate top coats after one hour drying. The shelf life with reactive pigments is limited.

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

Starting formulations
Starting formulations available on request.

Delivery form:
60% in xylene

Product specifications

Property	Range	Unit	TM
Solids content	59 - 61	%	2025
Viscosity, Falling ball 23°C	60 - 85	dPa.s	2001
Acid value, on solid	10 - 20	mg KOH/g	2401
Color, Gardner	0 - 9		2017
Appearance	clear	-	2265

Other product data

Property	Value	Unit	TM
Oil length	34	%	-
Type of oils	linseed/tung	-	-
Phthalic acid content	ca. 37	%	-
Modification	phenolic/rosin	-	-
Density, 23°C	ca. 1030	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	0.01 - 0.03%
Calcium drier	0.05 - 0.1%
Zirconium drier	0.1 - 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 above mentioned storage conditions the shelf life of the resin will be 365 days ex works.

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