



# Product Data Sheet Urathix™ AT415 V-55

**Strongly thixotropic long oil alkyd resin based on linoleic rich fatty acids**

## Applications

Blend resin for high gloss and semi-gloss decorative paints and stains.

## Principal properties

- ease of application
- yellowing resistance
- enamel hold-out
- non sagging/non dripping

## Dilutability

White spirit	complete
Xylene	complete
Isoparaffinic solvent	complete
n-Butanol	insoluble

## Compatibility

Long oil alkyds	complete
Medium oil alkyds	complete
Rosin maleic resins	limited

## Recommendations on formulation and use

Urathix AT415 is used in combination with other alkyd resins. Due to the high gel strength of Urathix AT415 different degrees of thixotropy can be obtained depending on the mixing ratio.

Optimal thixotropy is obtained by putting all Urathix resin in the mill-base and keeping the temperature below 60°C during grinding, in order to ensure thixotropy restoration.

## Pigments

Urathix AT415 is compatible with the usual pigments. Reactive pigments may cause slight post-thickening.

## Solvents

White spirit is a suitable solvent. Aromatic hydro-carbons may cause a reduction of the gel structure. Ketones, glycol ethers and alcohols drastically reduce or destroy thixotropy.

## Delivery form:

55% in low aromatic white spirit

## Product specifications

Property	Range	Unit	TM
Color, Gardner	0 - 5	-	2017
Solids content	54 - 56	%	2025
Appearance	clear	-	2265
Gel strength	190 - 330	g/cm	2316L
Acid value, on solid	< 10	mg KOH/g	2401

## Remarks

TM 2316L: 23°C, sp 1-2

## Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 898	kg/m <sup>3</sup>	2160
Flash point	ca. 40	°C	2800
Type of fatty acid	linoleic rich	-	-
Oil length	ca. 60	%	-

## Drier system

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

Cobalt drier	0.05 - 0.06 %
Calcium drier	0.1 - 0.2 %
Zirco drier	0.3 - 0.5 %

## 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.

## Material safety

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

