



# Product Data Sheet Urathix™ AT413 V-55

**Thixotropic long oil alkyd resin based on linoleic rich fatty acids, medium gel type**

## Applications

matt and semi-gloss paints

## Principal properties

- ease of application
- non-penetrating
- filling properties

## 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

### Pigments and grinding

Urathix AT413 is compatible with the usual pigments. Reactive pigments may cause slight post-thickening. Optimal thixotropy is obtained by putting as much as possible of the thixotropic resin in the milling base. Keep the temperature to a minimum during the grinding, in order to ensure thixotropy restoration.

### Diluents

White spirits are the most suitable solvents for thixotropic paints. Aromatic hydrocarbons may cause a reduction of the gel structure. Ketones and alcohols drastically reduce or destroy thixotropy.

## Delivery form:

55% in low aromatic white spirit

## Product specifications

Property	Range	Unit	TM
Color, Gardner	0 - 8	-	2017
Solids content	54 - 56	%	2025
Appearance	clear, hazy	-	2265
Acid value, on solid	4 - 10	mg KOH/g	2401

## Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 914	kg/m <sup>3</sup>	2160
Flash point	ca. 36	°C	2800
Phthalic acid content	ca. 26	%	-
Type of fatty acids	linoleic rich	-	-
Oil length	ca. 60	%	-
Gel strength	medium	-	-

## 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.

## Test methods

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

