



Product Data Sheet Urathix™ AT425 Q-55

Strong thixotropic air drying alkyd resin

Applications:

- VOC 2010 Compliant Decorative paints
- VOC 2010 Compliant Decorative wood stains
- VOC 2010 compliant decorative Non-drip paints

Principal properties:

- highly thixotropic
- suitable for use in pigment grind or hot post addition

Recommendations on formulation and use

Urathix AT425 Q-55 requires sufficient shear/temperature to fully develop its thixotropic properties. Preferably it will be dispersed together with the pigments in the mill base. Alternatively, it can be added at elevated temperatures (>60°C) as a post addition resin.

To obtain non-drip paints it's advised to add 25-35% Urathix AT425 Q-55 on the total resin mixture. Due to the high gel strength of Urathix AT425 Q-55 different degrees of thixotropy can be obtained depending on the mixing ratio.

Solvents:

White spirit or aliphatic solvents are the suitable solvents for thixotropic paints. Polar solvents or aromatic solvents will reduce thixotropy.

Application methods:

Brush, roller or spray.

Delivery form:

55% solids in de-aromatized hydrocarbon solvent

Product specifications

Property	Range	Unit	TM
Color, Gardner	0 - 8	G	2017
Solids content	54 - 56	%	2025
Appearance	clear	-	2265
Gel Strength	400-999	g/cm	2316K
Acid value, on solid	4 - 12	mg KOH/ g	2401

Other product data

Property	Value	Unit	TM
Density, 23°C	ca. 920	kg/m ³	2160
Flash point	ca. 40	°C	2800

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 above mentioned storage conditions the shelf life of the resin will be 365 days ex works.

Material safety

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

Test methods

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

Starting formulations

Starting formulations are available on request.

