

TECHNICAL DATA SHEET

THIXOL™ 50 S

Acrylic Thickener and anti-settling & anti-sagging agent

ASE Acrylic Thickener



26% Bio Carbon Content (only for EMEA supply)
-21% Carbon Footprint Reduction (only for EMEA supply)

TYPICAL CHARACTERISTICS

Nature	Aqueous dispersion of an acrylic copolymer
Appearance	Low viscous white milky liquid
Solid Content (%)	30
Active Content (%)	30
pH	3
Specific gravity	1.06
Solvent	Water
Total Bio content (%)	26

DESCRIPTION

Thixol™ 50 S is a liquid acrylic self-associative thickener providing a thixotropic rheological profile to water-based systems, preventing from settling and sagging without affecting levelling properties.

RECOMMENDED ADDITION LEVEL

0.1 - 1.0% as supplied on total formulation, which in most cases is below 0.5%.

STANDARD PACKAGING

Other packaging may be available upon request

- 1000L IBC
- 220L Drum
- Bulk

HANDLING & STORAGE

It can be irreversibly altered by frost. It should be protected from the effects of weathering and stored between 5 and 40°C and protected from direct sun exposure. Once opened, packaging should be resealed immediately after use. Film-forming product, surface may dry in contact with air. A slight sedimentation can be visible at the bottom of drums or totes. This phenomenon is normal and has no impact on the use and level of performance as long as the solids content of the product meets the specification. If necessary, filter the product prior to its use.

In these conditions, this product should be used within 6 months from delivery.

MARKETS

Coatings & Inks

- Architectural Coating
- Graphic Arts
- Industrial Coating
- Textile & Leather Coating

KEY BENEFITS

FORMULATION

- Color acceptance
- Compatibility
- Cost in use



STORAGE

- Antisettling
- In-can appearance
- Syneresis resistance
- Viscosity stability



APPLICATION

- Dilution resistance
- Sag resistance
- Sprayability



FILM PROPERTIES

- Gloss
- Anticorrosion
- Chemical resistance



SAFER SOLUTIONS

- APEO Free*
- Heavy Metal Free*
- LiCl Free*
- MIT Free*
- Solvent Free*

* Not intentionally added but not specifically measured (not part of product specification)

- Total Bio content (%) **26**

THIXOL™ 50 S

PROCESSING INSTRUCTIONS

THIXOL™ 50 S is a pure self-associative acrylic thickener, dispersed in water. It thickens with a pH preferably adjusted between 8 and 9, passing from its natural acid delivery form to neutralized and water soluble form. It develops its thickening efficiency through hydrophobic interactions which will influence viscosity at very low shear rate and thus will prevent from settling and sagging. The relatively slow viscosity recovery of THIXOL™ 50 S following the application provides a real thixotropic effect and improves the compromise between levelling and sag resistance. It is especially adapted to binders typically used in industrial coatings, with low particle size or showing strong response to thickeners. THIXOL™ 50 S can be combined with associative thickeners such as COAPUR™ 2025, COAPUR™ 3025, RHEOTECH™ 2000 modifying high shear Viscosity. THIXOL™ 50 S is a liquid product which is easy to use. It can be incorporated at any step of paint manufacture and especially at the final step.

HEALTH AND ENVIRONMENTAL DATA

For safe handling please refer to the Safety Data Sheet. For more information about health and environmental data, please contact us.

THICKENING MECHANISM

Self Association
Non Associative
Associative



VISCOSITY CONTRIBUTION

Low Shear contribution
Mid Shear contribution
High Shear contribution



PVC

PVC Low
PVC Mid
PVC High



Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790

[arkema.com](https://www.arkema.com)

ARKEMA