



THIXOL™ 53 L

Acrylic Thickener
anti-settling & anti-sagging agent

THIXOL™ 53 L is a liquid acrylic associated thickener providing a strong pseudoplastic rheological profile to water based systems. This product significantly prevents settling and sagging without affecting levelling properties.

• TYPICAL ANALYSIS

Nature: Aqueous dispersion of an acrylic copolymer

Appearance (20°C): Milky white liquid

Solids content (%): 30

pH (20°C): 3

Specific gravity (20°C): 1.06

• APPLICATIONS

THIXOL™ 53 L is a pure associated acrylic thickener, dispersed in water.

It thickens in a medium with a pH preferably adjusted between 8 and 9, and passes from its natural acid delivery form to its neutralized and water soluble form.

THIXOL™ 53 L addition level is between 0.1% and 1% of dry product on total formulation, which in most cases is below 0.5%.

THIXOL™ 53 L is an associated thickener. It develops its thickening efficiency through hydrophobic interactions which will influence viscosity at very low shear rate and thus will prevent settling and sagging.

The relatively low speed viscosity recovering of THIXOL™ 53 L after coating provides a real thixotropic effect and improves the compromise between levelling and sagging: a better levelling will be reached without sagging.

In order to obtain this effect, one should use the minimum quantity of THIXOL™ 53 L to hinder sagging and give a good coating.

THIXOL™ 53 L can usefully be combined with purely associative thickeners such as COAPUR™ 3025, COAPUR™ 5035, BR 100 P or RHEOTECH™ 2000 / RHEOTECH™ 2800 modifying high shear rate viscosity and consequently reducing spattering, improving levelling and film build, especially in flat and semi-gloss paints.

THIXOL™ 53 L can be used alone in very thick formulations.

There are no known compatibility problems with universal pigment pastes.

On the contrary, the use of THIXOL™ 53 L provides positive effects in reducing pigment flotation.

THIXOL™ 53 L is a liquid product which is easy to use. It can be incorporated at each step of paint manufacture and especially at the final step. THIXOL™ 53 L is solvent free and can therefore be used in V.O.C. free formulations.

• STORAGE

THIXOL™ 53 L 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. This product can be irreversibly altered by frost.

Once opened, packaging should be resealed immediately after use.

In these conditions, products should be used within 6 months after delivery.

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.

• STANDARD PACKAGING

- 220 l plastic drums,
- 1 000 l containers,
- Bulk.

• HEALTH & ENVIRONMENTAL DATA

Please refer to the Material Safety Data Sheet.

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