

THIXATROL® P230X

Rheological Additive

GENERAL INFORMATION

THIXATROL P230X is a special polyamide wax dispersion, which prevents settling of pigments and fillers and improves sag resistance of solvent-based coatings.

CHEMICAL & PHYSICAL PROPERTIES

Composition	polyamide wax dispersion
Appearance	slightly yellow soft paste
Non-volatile content	19 - 21 %
Solvent	xylene and alcohols

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Protective coatings
- Wood coatings
- Auto refinish coatings
- General industrial coatings
- Solvent-based inks

KEY PROPERTIES

- Imparts strong thixotropic properties and anti-sagging effect especially in high film-build coatings.
- Excellent anti-settling of heavy pigments such as micaceous iron oxides, zinc dust and anti-corrosive pigments; in some instances, soft settling may occur which can be easily re-dispersed.
- Enhances orientation of metallic and pearlescent pigments.
- Easy to disperse - high speed disperser is adequate for incorporation of this additive.
- Wide processing temperature range, from 20 to 40°C.

INCORPORATION

Pre-mixing **THIXATROL P230X** with solvent and binder is recommended to achieve the desired thixotropic performance.

Using a high-speed disperser, add **THIXATROL P230X** into a mixture of solvent and binder with peripheral speed of 4 m/sec or higher. Agitate for 30 - 40 min at <40 °C, preferably 25 - 35 °C.

Too high shear forces or millbase incorporation should be avoided. These might reduce the rheological efficiency as they can break down the active structure of the polymer. Too high temperatures during incorporation might cause a similar effect. It is therefore recommended to incorporate the product after the pigment grind, prior to the let-down stage. **THIXATROL P230X** is also possible to be used as a post additive.

The product should be tightly closed to prevent solvent evaporation and crust formation at the surface. Should this happen, remove the crust/dry solids before using the product.

LEVELS OF USE

Typical addition levels range from 1.0 – 5.0% of total formulation depending on the system and required application performance. A loading ladder study is recommended to optimize the dosage and performance.

Alkyd resin	1 - 3 %
Epoxy paint	2 - 5 %
Chlorinated rubber paint	2 - 5 %
Acrylic resin paint	1 - 2 %
PU	1 - 3 %
Unsaturated Polyester	1 - 3 %
UV curable system	1 - 3 %

HEALTH AND SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

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THIXATROL[®] P230X

STORAGE RECOMMENDATIONS

Keep away from sources of ignition and heat, as well as container tightly closed in a dry and well-ventilated place.

Store < 40 °C, use after return back 25 °C

Packaging should not be exposed to direct sunlight and other sources of heat.

SHELF LIFE

THIXATROL P230X has a shelf life of 18 months from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

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