TECHNICAL DATA SHEET

ELEMENTIS

THIXATROL® P236 AF

Rheological additive for solvent-based systems

GENERAL INFORMATION

THIXATROL ® P236 AF is a special polyamide wax dispersion activated in aromatic-free solvent, which provides viscosity build and control, imparts thixotropy, improves sag resistance and prevents settling of pigments and fillers in solvent-based coatings.

CHEMICAL & PHYSICAL PROPERTIES

Composition	Polyamide wax dispersion
Appearance	Slightly yellow soft paste
Active Content	19 - 21 %
Solvent	n-butyl acetate & isopropanol

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

APPLICATIONS

- Protective and marine coatings
- Wood coatings
- Auto OEM and refinish coatings
- General industrial coatings
- Inks

KEY PROPERTIES

- Supplied in aromatic-free carrier.
- No need of further temperature activation (supplied pre-activated).
- Easy to incorporate and disperse in comparison to powder form grades or other conventional pastes – a high speed disperser is adequate for the incorporation of this additive and development of its full rheological properties.
- Imparts strong shear thinning, thixotropic properties and anti-sagging effect, especially in high film-build coatings.
- Positive impact in the suspension and anti-settling properties in formulations containing heavy pigments and fillers such as micaceous iron oxides, barium sulphate, zinc dust and anti-corrosive pigments.
- No negative impact in the final film aesthetics.
- Broad binder systems and solvents compatibility.

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INCORPORATION

- **THIXATROL ® P236 AF** is mainly recommended to be added after the pigment grinding and/or in the let-down stage. Dispersion and/or milling-related high shear forces should be avoided as they might cause polymer active structure degradation, resulting in rheological efficiency reduction. **THIXATROL ® P236 AF** can also be post-added for rheological behavior adjustment.
- Although **THIXATROL ® P236 AF** can be added and homogenized directly into the system, a pre-mix with solvent and binder might help to develop its full rheological properties in the final system. This premix should be prepared by dispersion using a high-speed disperser equipped with a Cowles propeller at a minimum peripheral speed of 4 m/s for 30 - 40 min, to allow a homogenous distribution. The processing temperature should be kept at < 40 °C, as higher temperature levels might reduce its rheological efficiency.
- **THIXATROL® P236 AF** 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% on the total formulation depending on the system and required application performance. A loading ladder study is recommended to optimize the dosage and performance.

COMPATIBILITY

THIXATROL ® P236 AF is supplied in aromatic-free solvent, compatible with the majority of the solvent-based systems.

HEALTH & 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.

SHELF LIFE

THIXATROL® P236 AF has a shelf life of 18 months from date of manufacture.

STORAGE RECOMMENDATIONS

THIXATROL® P236 AF should be stored in the temperature range of 4 - 40°C (39 - 104°F). The container should be kept tightly closed and away from direct sunlight and other sources of heat.

QUALITY ASSURANCE

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

SUSTAINABILITY

THIXATROL® P236 AF is benzene / toluene / xylene free product, more user and environment friendly and of lower hazard risk for manufacturing.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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