

Rheological Additive

Seed-Resistant Organic Thixotrope for Ultra Thick Protective Coatings

GENERAL INFORMATION

THIXATROL® PRO is a 100% active, seeding resistant organic rheological additive. THIXATROL PRO provides viscosity, thixotropy and sag control in non-aqueous protective coating systems. It is particularly effective for spray-applied, ultra thick protective coatings.

PHYSICAL PROPERTIES

Composition	Proprietary diamide chemistry
Colour / Form	Fine off-white powder
Melting Point (°C)	118-125
Bulk density	0.21 g/cm ³ 1.75 lb/gal
Specific gravity	1.02

APPLICATIONS

- High build protective epoxy primers
- High build polyurethane topcoats

KEY PROPERTIES

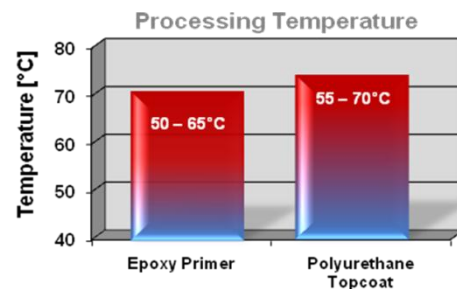
THIXATROL PRO rheological additive:

- Provides superior sag resistance
- Offers excellent re-coatability
- Does not influence humidity or salt-spray resistance
- Provides stable viscosity control
- Imparts thixotropic flow behaviour
- Provides superior anti-settling properties
- Provides improved seed-resistance and allows higher temperature processing, packaging and storage
- Minimizes false-body effects
- Provides excellent storage stability

INCORPORATION

THIXATROL PRO requires a specific processing temperature and dwell time in order to develop its optimum rheological efficiency.

For complete activation, it is advised to introduce THIXATROL PRO at the beginning of the manufacturing process in order to obtain sufficient wetting and dwell time. THIXATROL PRO will benefit from the temperature developed during the pigment dispersion phase to ensure maximum performance.



It is recommended to evaluate the required dwell time and activation temperature in a ladder study.

The improved seed-resistance of THIXATROL PRO rheological additive allows for flexible paint manufacturing.

Order of Addition (Typical high speed disperser)

1. Resin / solvent
2. THIXATROL PRO
3. Dispersing agents
4. Pigments
process for 15-25 minutes within the correct temperature range.
5. Letdown
mix until temperature is below processing minimum

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LEVELS OF USE

Typical levels of use for effective flow and anti-settling control range from 0.5% to 2.0% of the total system weight.

The optimum level of THIXATROL® PRO will vary depending on the type of system used. When formulating a new system, a loading ladder study is recommended to determine the precise level of additive needed. As with all new additives it is recommended to evaluate the full paint performance carefully.

HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage.

STORAGE RECOMMENDATIONS

THIXATROL PRO should be kept in a cool, dry location. Avoid stacking pallets in hot climates.

SHELF LIFE

THIXATROL PRO has a shelf life of 4 (four) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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doc Jan 2015

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