

THIXATROL[®] MAX

Rheological Additive

Cost Effective Seed-Resistant Organic Thixotrope for Solvent-Based Systems

GENERAL INFORMATION

THIXATROL MAX is a 100% active, seed resistant organic rheological additive. **THIXATROL MAX** provides viscosity, thixotropy and sag control in both conventional and high build systems.

CHEMICAL & PHYSICAL PROPERTIES

Composition	Proprietary organic
Color / Form	Fine off-white powder
Bulk density	0.25 g/cm ³ 2.08 lb/gal
Density	1.02 g/cm ³

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

APPLICATIONS

- Industrial coatings
- High solids aromatic paints
- Chlorinated rubber primer and topcoats
- Vinyl topcoats
- Aromatic traffic paints
- Epoxy polyamide topcoats
- Polyester coatings
- Adhesives and sealants
- Two component polyurethane systems

KEY PROPERTIES

- Provides viscosity control, thixotropy and excellent sag resistance.
- Is seed-resistant and allows high temperature processing, packaging and storage.
- Exhibits significantly improved intercoat adhesion properties compared with earlier diamide based thixotropes.
- Is a cost effective 100% active powder
- Has a broad tolerance to various solvents, including aliphatics, aromatics, ketones and esters.

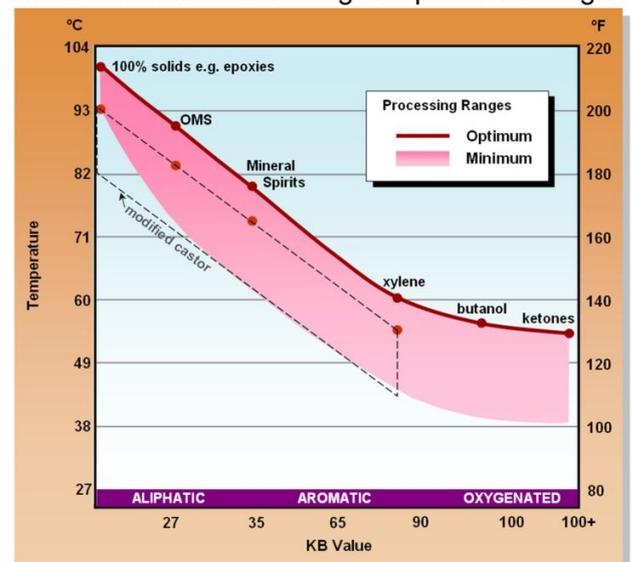
INCORPORATION

The improved seed-resistance of **THIXATROL MAX** rheological additive makes paint manufacturing easier and less expensive.

THIXATROL MAX has specific processing temperature and dwell time requirements in order to develop optimum properties.

For complete activation, **THIXATROL MAX** should be introduced at the beginning of the manufacturing process in order to obtain sufficient wetting and dwell time. **THIXATROL MAX** will benefit from the temperature developed during the pigment dispersion phase to ensure maximum performance.

Recommended Processing Temperature Ranges



Recommended processing temperatures are:

Aliphatic	71 - 85 °C	160 - 185 °F
Aromatic	60 - 70 °C	140 - 160 °F
Oxygenated	49 - 54 °C	120 - 135 °F

* within each processing temperature range, as KB values and/or solubility parameter decrease, processing temperatures must be increased. The converse is also true. A temperature ladder series is recommended to determine optimum processing temperature for any given solvent.

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THIXATROL® MAX

Order of Addition

Typical high speed disperser

1. Resin / solvent
2. **THIXATROL MAX**
3. Surfactants
4. Pigments
 - Process for 15-20 minutes within the correct temperature range.
5. Letdown
 - mix until temperature is below processing minimum

LEVELS OF USE

Typical levels of use for effective flow control range from 0.5% to 2.0% of the total system weight. If only the antissettling activities of the system require improvement, 0.2% to 0.5% may be sufficient.

The optimum level of **THIXATROL MAX** will vary depending on the type of system. When formulating a new system, a loading ladder study is recommended to determine the precise level of additive needed.

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.

STORAGE RECOMMENDATIONS

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

SHELF LIFE

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

QUALITY ASSURANCE

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

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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