

THIXATROL® PM 8054

Rheological Additive

Highly effective organic thixotrope for solvent-borne and high solids systems

GENERAL INFORMATION

THIXATROL PM 8054 is a 100% active, seed resistant organic rheological additive. **THIXATROL PM 8054** provides high viscosity, thixotropy and thick layer sag control in high build systems that contain little solvent or are solvent-free.

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
Melting point	137 - 147 °C
Mean particle size	maximum 6 micron

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

APPLICATIONS

- Industrial coatings
- Corrosion protective 2C epoxy primers
- Two component polyurethane top coat systems.
- Two component solvent-free systems
- Aromatic-free alkyd based protective coatings

KEY PROPERTIES

- Provides viscosity control, thixotropy and excellent very thick layer sag resistance.
- Is seed-resistant and allows low temperature activation, - processing, and packaging.
- Is a cost effective 100 % active powder that is highly active at already low loading levels
- Has a broad compatibility to various solvents.
- Shows no intercoat adhesion problems when overcoated with a topcoat.
- Has no negative impact on corrosion properties
- Excellent structure storage stability

INCORPORATION

The low temperature activation of **THIXATROL AS 8053** rheological additive makes sealant and paint manufacturing faster, easier and less expensive.

The low temperature activation and broad solvent compatibility of **THIXATROL PM 8054** rheological additive makes sealant and paint manufacturing faster, easier and less expensive.

THIXATROL PM 8054 has specific processing temperature and dwell time requirements in order to develop optimum properties.

For complete activation, **THIXATROL PM 8054** should be introduced at the beginning of the manufacturing process in order to obtain sufficient wetting and dwell time. **THIXATROL PM 8054** will benefit from the temperature developed during the pigment dispersion phase to ensure maximum performance.

Recommended activation temperatures for high solids protective coatings (epoxy primers, polyurethane topcoats) are 50 - 65 °C (122 °F - 149 °F)

Order of Addition

Typical high speed dissolver

1. Resin (and solvent if desired)
2. **THIXATROL PM 8054**
3. Pigments and extenders
4. Mix and disperse under 10-18 m/s tip speed until the desired minimum activation temperature is reached.
5. Continue with let down under moderate mixing conditions.

LEVELS OF USE

Typical levels of use for effective sag- and flow control range from 1.0 % to 2.5 % of the total system weight.

The optimum use level of **THIXATROL PM 8054** will vary depending on the chemistry of the system. When formulating a new system, a loading ladder study is recommended to determine the precise level of additive needed, the optimum activation temperature and the optimum stirring conditions.

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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 PM 8054 should be kept in a cool, dry location. Avoid stacking pallets in hot climates.

SHELF LIFE

THIXATROL PM 8054 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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