

## Rheological Additive

### Low temperature activation and highly effective organic thixotrope for solvent-borne and high solids Systems

#### GENERAL INFORMATION

THIXATROL® PM 8056 is a 100% active, seed resistant organic rheological additive. THIXATROL® PM 8056 provides high viscosity, thixotropy and thick layer sag control in high build systems that contain little solvent or are solvent-free.

#### PHYSICAL PROPERTIES

Composition	Proprietary organic
Color / Form	Fine off-white powder
Bulk density	0.25 g/cm <sup>3</sup> 2.08 lb/gal
Density	1.02 g/cm <sup>3</sup>
Melting point	120- 130 °C
Mean particle size	Maximum 6 micron

#### APPLICATIONS

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

#### KEY PROPERTIES

##### THIXATROL PM 8056 rheological additive:

- 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.
- No negative influence on corrosion properties

- Excellent Mix(stress) stability of finished paint systems

#### INCORPORATION

The low temperature activation and broad solvent compatibility of THIXATROL® PM 8056 rheological additive makes sealant and paint manufacturing faster, easier and less expensive.

THIXATROL® PM 8056 has specific processing temperature and dwell time requirements in order to develop optimum properties.

For complete activation, THIXATROL® PM 8056 should be introduced at the beginning of the manufacturing process in order to obtain sufficient wetting and dwell time. THIXATROL® PM 8056 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 40 °C – 70 °C (104 °F – 158 °F)

##### Order of Addition

##### Typical high speed dissolver

1. Resin (and solvent if desired)
2. THIXATROL® PM 8056
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.

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.

© Copyright 2016, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Trademark of Elementis Specialties, Inc.

[www.elementis-specialties.com](http://www.elementis-specialties.com)

doc September 2016

### LEVELS OF USE

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

The optimum use level of THIXATROL® PM 8056 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.

### HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS can be found on the company website at [www.elementis-specialties.com](http://www.elementis-specialties.com).

### STORAGE RECOMMENDATIONS

THIXATROL® PM 8056 should be kept in a cool, dry location. Avoid stacking pallets in hot climates.

### SHELF LIFE

THIXATROL® PM 8056 has a minimum 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.

*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.*

© Copyright 2016, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Trademark of Elementis Specialties, Inc.

[www.elementis-specialties.com](http://www.elementis-specialties.com)

doc September 2016

#### USA Head Office

Elementis Specialties, Inc.  
469 Old Trenton Road  
East Windsor, NJ 08512, USA  
Tel.: +1 609 443 2500  
Fax: +1 609 443 2422

#### Europe

Elementis UK Ltd.  
c/o Elementis GmbH  
Stolberger Strasse 370  
50933 Cologne, Germany  
Tel.: +49 221 2923 2066  
Fax: +49 221 2923 2011

#### China

Deuchem (Shanghai) Chemical Co., Ltd.  
99, Lianyang Road  
Songjiang Industrial Zone  
Shanghai, China 201613  
Tel.: +86 21 5774 0348  
Fax: +86 21 5774 3563