





Rheology Modifiers for High Performance Industrial Coating Systems

The organic thixotropes from Elementis, an industry leader in innovation and sustainability, enable the formulation of high performance industrial coatings systems. The low temperature activation allows for enhanced manufacturing efficiencies, storage stability and improved process control. The high share of bio-based raw materials contributes to meet high sustainability demands. Our application labs and technical experts are at your service to support you in order to maximize the benefits in your formulation.

THIXATROL® rheology modifiers for industrial coating systems benefits versus traditional rheological additives (fumed silica, micronized waxes, etc.)

- Easier (much less dust) and safer handling versus fumed silica
- Enhanced spray application due to strong pseudo-plastic flow
- Perfect leveling even at low film thickness
- High efficiency resulting in excellent sag resistance
- Improved viscosity stability on storage
- Wider window in activation temperature leading to more efficient production process
- Compared to fumed silica, 20 times higher density allowing less volume in transport and storage space
- THIXATROL® AS 8053, PM 8054, PM 8056 and PM 8058 are labeling- free and based on renewable raw material sources

Sag Performance in 2 Component Epoxy

	Blank	Fumed Silica	THIXATROL® PM 8056	Market Reference
Original Viscosity	135.2 KU	130.5 KU	150 KU	137.4 KU
	200 um (57.4 KU)	500 um (58.6 KU)	900 um (59.8 KU)	300 um (57.4 KU)
Low viscosity after dilution with 20% solvent				

Performance system for high performance industrial coatings: high solids and solventborne

Product Name	Product Type	Composition	Description
THIXATROL® AS 8053	Rheology Modifier	Amide Based Organic Thixotrope in Powder Form	- Activation temperature 40 – 60°C reachable by traditional mixing during the production process
THIXATROL® PM 8054	Rheology Modifier		- Especially for low polarity systems; activation temperature 50 – 65°C
THIXATROL® PM 8056	Rheology Modifier		- Activation temperature 50 – 70°C achievable during pigment grind/ mill base process
THIXATROL® PM 8058	Rheology Modifier		- Improved performance in polar solvents like alcohols
THIXATROL® MAX	Rheology Modifier		- Activation temperature 65 – 85°C depending on polarity

Elementis.com/Coatings/Performance-Series

North America
469 Old Trenton Road, East Windsor, NJ 08512,
Tel.: +1 609 443 2500

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

Asia
99, Liyang Road, Songjiang Industrial Zone, Shanghai, China 201613
Tel.: +86 21 5774 0348