

ELEMENTIS



# THIXATROL®

Performance Meets Sustainability

## Sustainability at Elementis

Our unique, naturally-derived technologies and creative sustainable solutions enable cleaner, more natural and more effective products – from improved production efficiency in adhesives and sealants, to longer lasting protective coatings, to low odor and low VOC paints.

Our sustainability offering complements the effort of our customers and contributes to a more sustainable world. Elementis ECOVADIS Gold rating 2021 achievement recognizes our continuous improvement on minimizing our product environmental impact.

## Discover THIXATROL®

THIXATROL® rheology modifiers are organic thixotropes in powder form. They enable the formulation of high-performance industrial coatings, adhesives and sealants systems and the achievement of sustainable results from the formulator to the end-user.

THIXATROL® organic rheological additives are free of VOCs and are readily used in solventless and VOC compliant solvent-based systems. They are derived from renewable, bio-based material and are labeling-free.

THIXATROL® raw materials provide performance, efficiency and sustainability benefit at every step: from formulation, to manufacturing, application and in use, enabling achievements of sustainability goals across the value chain.

## Performance

- Excellent sag resistance at high film thickness
- Improved viscosity stability on storage
- Lower activation temperature & shorter batch time
- Larger application window & reduced processing
- Perfect leveling even at low film thickness

## Sustainability

- Based on renewable raw material sources
- Process energy & material efficiency
- Options for label-free and ecolabels compliance
- Enables formulation of low or zero VOC coatings
- Longer life-cycle of final product



## Selected Rheology Modifiers & Applications

| Product            | Description  | Renewable % (ISO 16128 calculated) | Renewable Carbon % Coatings | Coatings | Adhesives & Sealants |
|--------------------|--|------------------------------------|-----------------------------|----------|----------------------|
| THIXATROL® AS 8024 | Excellent rheology builder for adhesives under high heat application. Very stable and will not experience viscosity drop | 90.7                               | 94.7                        |          | X                    |
| THIXATROL® AS 8053 | Low temperature activation and highly effective organic thixotrope for solvent-borne and high solids systems             | 69.7                               | 78.3                        | X        | X                    |
| THIXATROL® GST     | Organically modified derivative of castor oil for use in aliphatic and aromatic solvent-borne coatings                   | 90.7                               | 94.7                        | X        |                      |
| THIXATROL® MAX     | Powdered diamide thixotrope for solventborne & high solids systems   | 86.8                               | 92.3                        | X        | X                    |
| THIXATROL® PLUS    | Provides viscosity, thixotropy and sag control in both conventional and high-build systems                               | 57.1                               | 60.0                        | X        | X                    |
| THIXATROL® PM 8054 | Organic thixotrope that is easy to activate and process for use in high polarity systems                                 | 84.5                               | 90.0                        | X        | X                    |
| THIXATROL® PM 8056 | High performance organic thixotrope with easy activation. This thixotrope works with most solventborne systems           | 72.0                               | 81.8                        | X        | X                    |
| THIXATROL® PM 8058 | The ideal rheology modifier in the sustainable formulation of industrial and protective coatings                         | 74.8                               | 82.5                        | X        | X                    |
| THIXATROL® ST      | Organic thixotrope for low polarity aliphatic and aromatic systems   | 97.7                               | 98.7                        | X        | X                    |
| THIXCIN® R         | Organic thixotrope for low polarity aliphatic systems  | 100.0                              | 100.0                       | X        | X                    |

% Renewable carbon calculates percentage of renewable carbon to total organic carbon, as per ASTM D6866, and can be validated via measurement of 14C content. Dosage level for coatings 0.5-2.5% and dosage level for adhesives and sealants 1.0-3.5%.

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Unique chemistry,  
sustainable solutions