

# THIXATROL® P2100W

## Waterborne Rheological Additive

### GENERAL INFORMATION

**THIXATROL P2100W** is a special polyamide based waterborne rheology modifier, which provides anti-sagging, anti-settling properties and improves orientation of metallic pigment in waterborne coating systems.

### CHEMICAL & PHYSICAL PROPERTIES

Composition	polyamide
Appearance	yellow soft wax
Non-volatile content	16 - 20 %
Solvent	water/propylene glycol monomethyl ether
Specific gravity	ca. 1.0
Acid value (as received)	11-14 mg KOH/g

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

### APPLICATIONS

- Waterborne coatings
- Automotive coatings
- Metallic paints

### KEY PROPERTIES

- Provides excellent anti-sagging and anti-settling effect
- To improve orientation of metallic and pearlescent pigments
- To enhance flip-flop effect
- Provides strongly shear thinning flow behavior, which makes it ideal for spray applications
- Easily dispersed by high-speed stirring without grinding

### INCORPORATION

**THIXATROL P2100W** can be incorporated at any stage of paint production with high speed mixing. For optimizing the rheological performance, it is recommended to make pre-gel by mixing **THIXATROL P2100W** with water and co-solvent.

The process of making pre-gel is recommended by using high speed mixer to disperse for 30 to 60 minutes and the temperature should be controlled below 40 °C.

For optimum performance it's recommended to adjust the pH level of the system to pH ≥ 8 before incorporation.

### LEVELS OF USE

1.0 - 6.0 % as delivery form based on total formulation.

### 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

Keep away from sources of ignition and heat.

Keep container tightly closed in a dry and well-ventilated place.

**THIXATROL P2100W** should be kept at 4 - 40°C. In the event of accidental freezing, thaw gently and check pre-gel performance before use.

# THIXATROL® P2100W

## Waterborne Rheological Additive

### SHELF LIFE

**THIXATROL P2100W** has a shelf life of 2 (two) 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 2019, 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.

V02 Apr. 2019

#### North America

Elementis  
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

#### Asia

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