

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.

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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.

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