

THIXATROL® P 220 X - MF

General Purpose Paste Rheological Additive for Non-aqueous Coating Systems

GENERAL INFORMATION

THIXATROL P 220 X - MF is a 20% active, opaque pre-dispersion of a polyamide in xylene. It is easy both to activate and to disperse and can be applied in a variety of solvent-borne systems. It provides thixotropy and sag resistance along with increased anti-settling properties.

The structure of the active polyamide is already developed in the paste and it simply needs to be dispersed homogeneously into the system.

CHEMICAL & PHYSICAL PROPERTIES

Composition	polyamide wax paste
Form	opaque white paste
Specific Gravity	0.87
Active content	20% ± 1%
Solvent	xylene, low molecular weight alcohol

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

APPLICATIONS

- Industrial Maintenance Coatings
- Marine Finishes
- Protective Coatings
- Wood Coatings

KEY PROPERTIES

- Pre-dispersed polyamide dispersion;
- Easy to incorporate;
- Suitable for post addition;
- Broad system and solvent compatibility,
- Particularly, but not exclusively, for aromatics;
- Provides high thixotropy;
- Provides sag control;
- Improves pigment suspension and in-can stability

INCORPORATION

THIXATROL P 220 X - MF rheological additive is easier to disperse and incorporate compared to powder form organic thixotropic additives. These require heat, dwell time and high shear forces for activation. Due to the ease of dispersion, **THIXATROL P 220 X - MF** is especially recommended for clear and low PVC systems where temperature control and/or high shear incorporation forces are not possible. It will also efficiently improve the viscosity build when post-correction is required.

THIXATROL P 220 X - MF is best incorporated using a Cowles blade to allow homogeneous distribution of the pre-activated product. Shear forces between 6 -10 m/s for 15 - 30 minutes have shown excellent results.

Too high shear forces or millbase incorporation should be avoided. These might reduce the rheological efficiency as they can break down the active structure of the polymer. Too high temperatures during incorporation might cause a similar effect. It is therefore recommended to incorporate the product after the millbase, prior to the let-down stage. **THIXATROL P 220 X - MF** is also possible to use as a post additive.

To optimize the incorporation process it is recommended to carry out a ladder study, varying both the time and the shear forces.

We recommend that key performance properties are thoroughly tested when evaluating **THIXATROL P 220 X - MF**. These include colour acceptance, cure rate, adhesion, thermal stability, drying time, and indeed any other parameters critical to the commercial success of your system.

LEVELS OF USE

Typical addition levels range from 1.0 - 3.0% by weight depending on the system and the required application performance. A loading ladder study is always recommended to optimise the dosage and performance.

THIXATROL[®] P 220 X - MF

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

Store in a cool dry place. Keep container tightly closed. Store away from direct sunlight and other sources of heat. Do not expose to direct heat radiation.

SHELF LIFE

THIXATROL P 220 X - MF 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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