

THIXATROL® P220X

Rheological Additive

GENERAL INFORMATION

THIXATROL P220X is a special polyamide dispersion which builds up a strong structure in almost all solvent based systems such as paints, inks, sealants etc.

THIXATROL P220X is anti-sagging and anti-settling agent which gives viscosity increasing and imparts stronger thixotropic properties than conventional additives.

CHEMICAL & PHYSICAL PROPERTIES

Composition	special polyamide wax
Appearance	light yellow soft paste
Nonvolatile	19 - 21 %
Solvent	xylene and alcohols
Specific gravity	ca. 0.87 (20 °C)
Solubility	Insoluble in lower alcohol and water, but soluble in aliphatic and aromatic hydrocarbon solvent when heated.
Flash point	ca. 12 °C

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

APPLICATIONS

- Architectural, marine paints and heavy duty coatings.
- Epoxy, acrylic urethane, tar-epoxy, alkyd, vinyl, chlorinated rubber, polyester, MIO etc.

KEY PROPERTIES

- **THIXATROL P220X** builds up a strong structure in almost all solvent based coatings. (viscosity increase type)
- It can be easily dispersed (by high speed dissolver)
- Imparts strong thixotropic properties than conventional additives
- Especially affects aluminum paste, MIO, red lead, zinc-dust and anti-corrosive pigment (prevents the settlement of pigment and hard caking)

- Trouble free from seeding, gloss reduction and inter-coat adhesion
- Stability on sagging (strong anti-sagging effect is suitable for high build coatings)
- Excellent anti-sagging and anti-settling.

INCORPORATION

THIXATROL P220X is added to the virgin paint and it needs short dissolving time to make a desired thixotropic structure.

Addition of **THIXATROL P220X** can be carried out 20 - 50 °C. No special care for the temperature adjustment to take effect.

High-speed dispersers (ex. cowless dissolver) are ideal for incorporating this additive. (1,000 - 2,500rpm / 5 - 15min / max.50 °C)

The dwell time under dispersing conditions should be preferable 10 - 15 minutes at 25 - 35 °C to ensure full dispersion of the additive and to prevent over-grinding.

Can be used for the post addition process.

Suitable solvents for use are xylene, toluene, butyl-cellosolve acetate, butanol, butyl-acetate etc.

LEVELS OF USE

1.0 - 5.0 % based on the total formulation. (by weight)

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

Should be stored in cool dry place.

Keep container tightly closed after used.

Stored away from direct sunlight and other sources of heating not to be exposed direct heat radiation.

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THIXATROL[®] P220X

SHELF LIFE

THIXATROL P220X 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.

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