

M-P-A[®] 10X

Rheological Additive

GENERAL INFORMATION

M-P-A 10X is a translucent flowable paste rheological additive used to prevent pigment settling in solvent based coatings. Especially it is designed for metallic paints to have good dispersibility.

CHEMICAL & PHYSICAL PROPERTIES

Composition	complex polyolefin compound
Appearance	translucent liquid
Non-volatile content	9 - 11 %
Solvent	xylene
Specific gravity	ca. 0.87 (20 °C)
Solubility	soluble in aliphatic and aromatic hydrocarbon solvent when heated.
Flash point	ca. 27 °C

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

APPLICATIONS

- oil and oil modified alkyd resin paints
- acrylic paints
- red lead paints
- chlorinated rubber paints
- epoxy paints
- lacquer paints
- polyurethane and acrylic urethane paints
- metallic and pearl pigment systems

KEY PROPERTIES

- **M-P-A 10X** is used in almost all solvent based coatings
- The main function is the prevention of settling and hard cake
- Provides excellent anti-settling properties without increasing apparent viscosity at normal usage (low viscosity increase type)

- It works as anti-silking agent
- Does not exhibit any trouble such as viscosity increase and seeding
- Prevents pigment agglomeration settling and hard caking
- Easily dispersed and do not affect gloss
- Suitable for metallic and flat paints
- Can be used for let-down or post-addition process

INCORPORATION

M-P-A 10X should be added to the mill base stage for good particle size at top coat.

Can be carried out 30 - 60 °C. No special care for the temperature adjustment to take effect.

For maximum efficiency in industrial coating, the temperature should exceed 45 °C.

High speed dissolver is enough to disperse it.

Sand mill, ball mill, three roll mill etc. are available dispersing equipment.

LEVELS OF USE

2.0 - 5.0 % based on the total formulation. (by weight)

Especially high specific gravity pigments may require much higher level of dosage.

HEALTH AND SAFETY

As it contains solvents, the product requires special care in handling.

Avoid any eye and skin contact.

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 heat.

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SHELF LIFE

M-P-A 10X has a shelf life of 12 months from date of manufacture.

QUALITY ASSURANCE

Quality system at the site manufacturing this product complies with and is certified to ISO 9001 quality standards.

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V02 Nov. 2025

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