



Product Data Sheet

ADD-6245

GENERAL

ADD-6245 is a VOC free fatty acid-based polymer to stabilize all kinds of pigments and extenders in water- and solvent-based systems, especially in decorative coatings. Due to the absence of solvents, **ADD-6245** can be used as a wetting and dispersing agent for VOC-free applications. It is also suitable for the preparation of universal colorants for architectural paints and the improvement of their compatibility with bases (post-addition). **ADD-6245** is suitable for both coatings and printing inks.

SPECIFICATIONS

Composition	: Fatty acid-based polymer
Appearance	: Yellow to light brownish free flowing liquid
Active ingredients	: 100 % VOC-free

APPLICATIONS AND USAGE

Coatings:

ADD-6245 stabilizes organic and inorganic pigments and extenders in water- and solvent-based systems, especially in decorative coatings. In addition, it makes polar ingredients of universal colorants more compatible with non-polar solvent-based paints into which they may be incorporated. This results in:

- Maximum colour development of the colorant based on **ADD-6245**
- Higher pigment loading in colorants
- Optimum colour acceptance of universal colorants in the bases

When used in colorants or water-based systems, **ADD-6245** should be neutralized to pH 8.0-8.5 in order to reach the lowest viscosity and best performance. **ADD-6245** should be incorporated in the mill-base before adding the pigments.

For universal colorants: **5.0-10.0%** on inorganic pigments
10.0-20.0% on organic pigments

Post-addition in bases: **0.5-1.5%** on total base weight

Printing Inks:

ADD-6245 is a dispersant for enhancing the dispersion of inorganics well as organic pigments and stabilizing the suspension of special effect pigments in water-based and solvent-based media. This results in:

- Improved dispersion or suspension stability
- Improved colour strength
- Lower viscosity and/or enabling higher pigment loading
- Higher gloss or lustre

ADD-6245 has been developed for water-based and solvent-based formulations.

ADD-6245 is effective with metallic flakes and special effect pigments.

ADD-6245 is particularly suitable for nitrocellulose-based flexographic applications and for screen printing.



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For best results, **ADD-6245** should be combined with the pre-blended liquid portion of the mill-base formulation before addition of the pigment.

1.0-5.0% (delivery form) on TiO₂ and metallic pigments or special effect flakes

STORAGE, SAFETY & HANDLING

ADD-6245 should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. **ADD-6245** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.