



# Product Data Sheet

## ADD-6225

### GENERAL

**ADD-6225** is a 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-6225** 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 the bases (post-addition). **ADD-6225** is suitable for coatings and printing inks.

### SPECIFICATIONS

Composition	: Fatty acid-based polymer
Amine value	: 45-50 mg KOH/g
Acid value	: 47-51 mg KOH/g
Appearance	: Brownish liquid
Active ingredients	: >98%

### APPLICATIONS AND USAGE

#### Coatings:

**ADD-6225** 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 color development of the colorant based on **ADD-6225**
- Higher pigment loading in colorants
- Optimum color acceptance of universal colorants in the bases

When used in colorants or water-based systems, **ADD-6225** should be neutralized to pH 8.0-8.5 (1.5 pbw of 25% NaOH solution upon 10.0 pbw of the additive) in order to reach the lowest viscosity and best performance.

**ADD-6225** should be incorporated in the mill-base before adding the pigments.

**For universal colorants:** **05.0-10.0%** 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-6225** is a dispersant for enhancing the dispersion of inorganic 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 higher pigment loading
- Higher gloss or luster



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**ADD-6225** has been developed for water-based and solvent-based formulations.

**ADD-6225** is effective with metallic flakes and special effect pigments.

**ADD-6225** is particularly suitable for nitrocellulose-based flexographic applications and for screen printing.

For best results, **ADD-6225** 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 TiO<sub>2</sub> and metallic pigments or special effect flakes

**5.0-10.0%** (delivery form) on Bentonites and thickeners

### STORAGE, SAFETY & HANDLING

**ADD-6225** 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-6225** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.