

Coadd™ AP-6054

Adhesion Promoting Agent

DESCRIPTION

Coadd™ AP-6054 is an effective paint adhesion promoter to metal substrates, suitable for water-borne metal coating inks. The product is water soluble, and contains active groups that react with metals such as iron, aluminum, nickel and other substrates. And also contain groups which are compatible with the resin matrix, improving the adhesion of the matrix resin to the metal substrate. Improved performance with certain substrates wettability.

PHYSICAL PROPEERTIES

Appearance	Light yellow viscous liquid
Density (g/ml)	1.17
Active content (%)	> 85
Acid Value (mg KOH/g)	45-55
Solvent	Water

Note: These properties are only typical, and do not represent product specifications

APPLICATION CHARACTERISTIC AND ADVANTAGES

Coadd™ AP-6054 is suitable for water-borne paints and inks systems. Also suitable for solvent- borne with special requirements. The product has good characteristics such as:

- Excellent formulation compatibility
- Improved adhesion to metal substrates
- Good wetting and strengthening effect
- No adverse effect of gloss and transparency
- Good water & alcohol solubility

The product is recommended to add directly into the resin, but can also be added during grinding and let-down stage.

If dilution is needed, we recommend to dilute with 15-20% (base on the product) of diethylene glycol monobutyl ether or 2-Butoxy ethanol, or 50-100% of ethylene glycol or propanol glycol (base on the product). After the above solvent dilution, it will be miscible with water at any ratio.

When using the product in grinding stage, please make sure basic condition before add the product. For let-down stage addition, please dilute the product with solvents (above), then adjust pH to 6.5-8.5 (8-10%DMEA or 10-12% AMP-95 base on the product) before add, gelling may occur if without neutralization.

Suggested dosage based on the total formulation: 0.5 -2.0%. Optimal dosage should be determined through laboratory tests.

The product will have high viscosity or solidifies when temperature is below 10°C, please warm up and mix well before use. Solidification will not affect the product performance.

SAFETY NOTICE

Before using the products, please refer to SDS for detailed safety data, handling and storage procedures recommended.

DISCLAIMER

It is common proposal for product usage and demand above information based on our professional knowledge. Due to environmental uncertainty and out of our control from practical process, please test and make evaluation ahead of use to ensure efficient and safe. For your reference, the above information is only for commonly know and use the product. It is guaranteed to meet quality and product specification.

****Please refer to SDS for more information**