

ADDEX-DS 1047

Wetting and Dispersing Additive (Solvent-Based)

Wetting and dispersing additive designed for both solvent-based and solvent-free coating systems, pigment concentrates, and printing inks. It effectively stabilizes inorganic, organic, and carbon black pigments in high-gloss systems, enhances color strength, and significantly reduces millbase viscosity.

Product Data

Composition:

Modified Polyurethane

Typical Properties:

Note: The information provided herein is intended for guidance only and should not be used to establish specifications. Minor variations do not affect the product's performance or application.

Physical Form:	Clear liquid
Color:	Brownish yellow
Active Content:	35-40%
Density (20 °C):	0.95-1.00 g/ml
Non-volatile matter (10 min, 150 °C):	35-40%

Applications

Applications > Recommended for > Particularly Recommended:

Coatings > Solvent-based systems
> Compatible with a wide range of resin systems (Alkyd, Acrylic, PU, Epoxy, Polyester, Nitrocellulose)

Recommended Dosage:

Note: The additive performance depends on the specific formulation, and optimal levels must be validated through a series of laboratory tests at varying dosages, temperatures, and times.

Based on total formulation weight:	0.2-2%
Titanium dioxide:	2-3%
Inorganic pigments:	3-5%
Organic pigments:	5-8%
Carbon black:	15-25%

Special Feature:

Broadly compatible with a wide range of resin systems. It is particularly recommended for high-gloss, solvent-based coatings. Reduces millbase viscosity.

Incorporation and Processing Instructions:

For optimum performance, the additive should be incorporated into the millbase prior to pigment addition. Pre-mix the resin and solvent components, then slowly add the additive under continuous stirring. Ensure complete and uniform distribution before introducing the pigments.

Storage and Transportation:

Separation or turbidity may occur at low temperatures. In such cases, gently heat to 30–40 °C and stir until completely uniform. The minimum shelf life in closed containers is 12 months from the date of manufacture.