

DESCRIPTION

TEGO® VariPlus DS 50 strongly improves the mechanical properties of waterborne inks and coatings. It also improves resistance against water, solvents, and chemicals. It leads to excellent adhesion on plastics and improves intercoat adhesion.

KEY BENEFITS

- very good adhesion on plastics
- excellent viscosity reduction
- very good improvement of hardness and gloss

EFFECT

Hardness



Gloss



Viscosity reduction / increase of solids content



Pigment wetting and stabilization



Adhesion improvement (e.g. metal, plastics)



SUITABILITY

waterborne



solventborne



radiation-curing



pigmented coatings



clear coatings



● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Plastic coatings
- Printing Inks
- Wood coatings
- Nail varnishes

TECHNICAL DATA

active matter content	33 %
appearance	white liquid
chemical description	polyurethane polyol resin
glass transition temperature	Approx 129 °C
hydroxyl value (as supplied)	approx. 120 mg KOH/g
solvent	water

SOLUBILITY

Water	Ethanol
●	●
TPGDA	Acetone
●	●
Butylacetate	Mineral Spirits
●	●

● not soluble ● partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied on total formula weight: 10 - 30 %

PROCESSING INSTRUCTIONS

- Addition as supplied is recommended.
- Addition to the grind or during the let-down is possible.

HANDLING & STORAGE

When stored in an original unopened packaging between +4 and +25 °C, the product has a shelf life of at least 30 months from the date of manufacture.

MSDS & REGULATORY INFORMATION



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Evonik Resource Efficiency GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com