

Film enhancer

# TEGO® Variplus DS 50

## 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)



## 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

## SUITABILITY

waterborne	solventborne
●	●
radiation-curing	pigmented coatings
●	●

● not suitable ● partly suitable ● suitable

## 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, the product has a shelf life of 36 months from the date of manufacture.

## TYPICAL APPLICATIONS

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

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