**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)

**SUITABILITY**
- Waterborne
- Solventborne
- Radiation-curing
- Pigmented coatings
- Clear coatings

**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

**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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