Film enhancer

TEGO® Variplus SK

DESCRIPTION

TEGO® Variplus SK is a very powerful film enhancer, improving the optical and mechanical properties of solventborne inks and coatings. It improves hardness, scratch resistance, adhesion, and gloss. It also helps pigment stabilization and increases color strength.

KEY BENEFITS

- excellent gloss improvement
- very good adhesion on plastics and metals
- very good hardness and scratch resistance

TECHNICAL DATA

active matter content	100 %
appearance	white-to-slightly-yellow pellets
chemical description	polyol resin
glass transition temperature	Approx. 90 °C
hydroxyl value (as supplied)	approx. 325 mg KOH/g

EFFECT

Hardness

Gloss

Viscosity reduction / increase of solids content

Pigment wetting and stabilization

Adhesion improvement (e.g. metal, plastics)

SOLUBILITY

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

○ not soluble ◐ partly soluble ● soluble

SUITABILITY

waterborne	solventborne
○	●
radiation-curing	**pigmented coatings**
◐	●
clear coatings	
●	

○ not suitable ◐ partly suitable ● suitable

RECOMMENDED ADDITION LEVEL

As supplied on total formula weight: 5 - 20 %

PROCESSING INSTRUCTIONS

- Dissolve in corresponding solvent before use.
- 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 60 months from the date of manufacture.

TYPICAL APPLICATIONS

- Printing Inks
- Gravure inks
- Flexographic inks
- Ballpoint pen inks
- Plastic coatings
- Wood coatings

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