

## DESCRIPTION

TEGO® Variplus AP improves gloss and adhesion on various metals (e.g. steel, aluminium). As a solvent-free co-binder, it is recommended for high-solid industrial coatings and for UV-offset inks.

## KEY BENEFITS

- excellent viscosity reduction
- very good adhesion to metals
- reduction of volume shrinkage in radiation curing systems

## 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

- Wood coatings
- General industrial coatings
- High solid industrial coatings
- Printing Inks

## TECHNICAL DATA

active matter content	100 %
appearance	white pellets
chemical description	ketone-aldehyde condensation resin
glass transition temperature	Approx. 50 °C
hydroxyl value (as supplied)	approx. 5 mg KOH/g
solvent	-

## SOLUBILITY

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

● not soluble ● partly soluble ● soluble

## 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 &amp; STORAGE

When stored in an original unopened packaging, the product has a shelf life of 60 months from the date of manufacture.

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