

# TEGO® Dispers 645

## DESCRIPTION

TEGO® Dispers 645 is a polymeric wetting and dispersing additive for solventborne formulations with a medium to high polarity. Provides good viscosity reduction for all kinds of pigments and a very high color strength especially with organic pigments and pigment blacks.

## KEY BENEFITS

- very good for organic pigments and carbon blacks
- very good viscosity reduction
- broad compatibility

## EFFECT

### Viscosity reduction with organic pigments/carbon blacks



### Color intensity/gloss with organic pigments/carbon blacks



### Viscosity reduction with inorganic pigments/fillers



### Color intensity/gloss with inorganic pigments/fillers



## SUITABILITY

waterborne	solventborne
●	●
2-pack 100%	radiation-curing
●	●
direct grind	resin-containing pigment concentrates
●	●

● not suitable ● partly suitable ● suitable

## TYPICAL APPLICATIONS

- Pigment concentrates
- Wood coatings
- General industrial coatings

## TECHNICAL DATA

active matter content	100 %
appearance	clear liquid
chemical description	high molecular weight polymer

## SOLUBILITY

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● soluble

## RECOMMENDED ADDITION LEVEL

As supplied calculated on inorganic pigment: 1.0 - 15.0 %  
 As supplied calculated on organic pigment: 5.0 - 25.0 %  
 As supplied calculated on carbon black: 10.0 - 40.0 %  
 Recommended addition level for co-grind: 0.5 - 3.0 %

## PROCESSING INSTRUCTIONS

Add to the grind before dispersion.

## HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture.
- At low temperatures, reversible turbidity can occur.

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