

# TEGO® Dispers 780 W

## DESCRIPTION

TEGO® Dispers 780 W is a polymeric, slightly anionic wetting and dispersing additive for high-quality waterborne ink formulations. It is an excellent choice for resin-containing, resin-reduced as well as resin-free grinds. TEGO® Dispers 780 W provides excellent pigment stabilization for organic and inorganic pigments.

## KEY BENEFITS

- suitable for resin-containing, resin-reduced and resin-free grinds
- excellent viscosity reduction
- outstanding color strength development
- superior shock resistance
- suitable for food contact compliant formulations

## 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%



### direct grind



### resin-containing pigment concentrates



### resin-free pigment concentrates



● not suitable ● partly suitable ● suitable

## TYPICAL APPLICATIONS

- Printing Inks
- Inkjet Inks
- Pigment concentrates

## TECHNICAL DATA

<b>active matter content</b>	approx. 35 %
<b>appearance</b>	clear to slightly hazy liquid
<b>chemical description</b>	aqueous solution of copolymers with groups of high pigment affinity
<b>pH-value</b>	approx. 8
<b>solvent</b>	water

## SOLUBILITY

<b>Water</b>	<b>Ethanol</b>
●	●
<b>TPGDA</b>	<b>Butylacetate</b>
●	●
<b>Mineral Spirits</b>	
●	

● not soluble ● partly soluble ● soluble

## RECOMMENDED ADDITION LEVEL

As supplied calculated on grind, for binder-free grinding: 10.0 - 40.0 %

As supplied calculated on grind, in addition to grinding resin: 2.0 - 6.0 %

## PROCESSING INSTRUCTIONS

Add to the grind before dispersion.

## HANDLING & STORAGE

- When stored in original unopened packaging, the product has a shelf life of 24 months from the date of manufacture.
- Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40°C and mix thoroughly before use.

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | [www.coating-additives.com](http://www.coating-additives.com)