

**DESCRIPTION**

TEGO® Dispers 689 promotes the incorporation of matting agents in radiation-curing formulations. It enables strong matting effect and is solvent-free.

**KEY BENEFITS**

- enables high matting agent concentrations in UV coatings
- provides long-lasting matting effect

**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	high solids
●	●
resin-containing pigment concentrates	resin-free pigment concentrates
●	●

● not suitable ● partly suitable ● suitable

**TYPICAL APPLICATIONS**

- Wood coatings
- Pigment concentrates

**TECHNICAL DATA**

acid value (as supplied)	Approx 10 mg KOH/g
active matter content	100 %
amine value (as supplied)	Approx 110 mg KOH/g
appearance	clear to slightly hazy liquid
chemical description	high molecular weight polymer
solvent	-

**SOLUBILITY**

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● soluble

**RECOMMENDED ADDITION LEVEL**

As supplied calculated on matting agent: 2.5 - 7.5 %

**PROCESSING INSTRUCTIONS**

- Add to the grind before dispersion.
- Please mix the additive with monomer/oligomer blend prior to addition of solid particles.
- Haziness caused by low temperatures can be eliminated by warming the product. This does not affect the performance properties of the product.

**HANDLING & STORAGE**

When stored in an original unopened packaging between +4 and +40 °C, the product has a shelf life of at least 24 months from the date of manufacture.

**MSDS & REGULATORY INFORMATION**

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)