

**DESCRIPTION**

TEGO® Dispers 688 is a polymeric wetting and dispersing additive for matte UV coatings. Stabilizes matting agents and gives low viscosities of the UV coatings, even at high matting agent levels. Improves processing during production and application of matte UV coatings. Helps to keep the matting effect on a stable level.

**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	resin-containing pigment concentrates
●	●
resin-free pigment concentrates	universal pastes
●	●

● not suitable ● partly suitable ● suitable

**TYPICAL APPLICATIONS**

- Wood coatings
- Pigment concentrates

**TECHNICAL DATA**

acid value (as supplied)	Approx. 2 mg KOH/g
active matter content	approx. 45 %
amine value (as supplied)	Approx. 10 mg KOH/g
appearance	clear to slightly hazy liquid (product properties are not affected by haziness)
chemical description	high molecular weight polymer
solvent	methoxypropylacetate

**SOLUBILITY**

Water	Ethanol
●	●
TPGDA	Butylacetate
●	●
Mineral Spirits	
●	

● not soluble ● partly soluble ● soluble

**RECOMMENDED ADDITION LEVEL**

As supplied calculated on matting agent: 10 - 30 %

**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, the product has a shelf life of 36 months from the date of manufacture.
- At low temperatures, reversible turbidity can occur.
- Keep away from freezing.

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