

ZETASPERSE® 3100**DESCRIPTION**

ZETASPERSE® 3100 is an anionic wetting and dispersing additive for waterborne formulations. Shows outstanding stabilization properties.

KEY BENEFITS

- very good long term stabilization of inorganic pigments and carbon blacks
- good combination partner for CARBOWET® grind aids
- broad compatibility with various binders

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	
●	

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Pigment concentrates
- Transportation coatings
- General industrial coatings
- Wood coatings

TECHNICAL DATA

active matter content	40 %
appearance	clear, amber liquid
chemical description	aqueous solution of copolymers with groups of high pigment affinity
solvent	water
viscosity at 25 °C	Approx. 500 mPas

SOLUBILITY

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

● not soluble ● partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on inorganic pigment: 5.0 - 30.0 %
 As supplied calculated on organic pigment: 20.0 - 70.0 %
 As supplied calculated on carbon black: 40.0 - 150.0 %
 Recommended addition level for co-grind: 0.5 - 2.0 %

PROCESSING INSTRUCTIONS

Add to the grind before dispersion.

HANDLING & STORAGE

- Keep containers tightly closed in a dry, cool, and well-ventilated place. Mix thoroughly before use. Product is freeze-thaw stable; if frozen, warm to 20-40°C and mix before use. Please refer to the SDS for the most current information.
- When stored in an original unopened packaging, the product has a shelf life of 36 months from the date of manufacture.

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