

DESCRIPTION

ZETASPERSE® 3800 is a polymeric, slightly anionic wetting and dispersing additive for high-quality waterborne formulations. It is suitable for all kinds of pigments. ZETASPERSE® 3800 outstandingly provides color strength with organic pigments and stabilization for inorganic pigments and carbon blacks. It has a low influence on coating properties, is solvent-free and free of labeling.

KEY BENEFITS

- for high-quality coatings
- very good stabilization of inorganic particles
- minimal impact on coating properties
- solvent-free and label-free

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
- Architectural paints
- Wood coatings
- Transportation coatings
- Inkjet Inks

TECHNICAL DATA

active matter content	40 %
appearance	clear to slightly hazy liquid
chemical description	aqueous solution of a copolymer 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.

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