

**DESCRIPTION**

ZETASPERSE® 1600 is a mainly anionic wetting and dispersing additive for waterborne formulations. It shows outstanding stabilization properties especially for organic pigments.

**KEY BENEFITS**

- excellent for organic pigments
- highest pigment loadings possible
- good long term stabilization

**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****direct grind****resin-containing pigment concentrates****resin-free pigment concentrates**

● not suitable ● partly suitable ● suitable

**TYPICAL APPLICATIONS**

- Pigment concentrates
- General industrial coatings
- Architectural paints
- Wood coatings

**TECHNICAL DATA**

|                              |  |
|------------------------------|--|
| <b>active matter content</b> | 50 wt-%  |
| <b>appearance</b>            | clear, red to amber liquid   |
| <b>chemical description</b>  | aqueous solution of a copolymer with groups of high pigment affinity |
| <b>solvent</b>               | water/propylene glycol   |
| <b>viscosity at 25 °C</b>    | Approx. 200 mPas   |

**SOLUBILITY**

|              |                |
|--------------|----------------|
| <b>Water</b> | <b>Ethanol</b> |
| ●            | ●              |
| <b>TPGDA</b> | <b>Acetone</b> |
| ●            | ●              |

● 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 before grinding.
- Mix thoroughly before use.

**HANDLING & STORAGE**

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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