Wetting and dispersing additive

ZETASPERSE® 2500

DESCRIPTION

ZETASPERSE® 2500 is a mainly non-ionic wetting and dispersing additive for waterborne formulations. Shows outstanding stabilization properties, especially with organic pigments and carbon blacks. Shows very good compatibility.

KEY BENEFITS

- outstanding stabilization of metal salt pigments
- good color acceptance

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

<table>
<thead>
<tr>
<th>waterborne</th>
<th>solventborne</th>
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<td></td>
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<tr>
<td>2-pack 100%</td>
<td>radiation-curing</td>
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<tr>
<td>direct grind</td>
<td>resin-containing pigment concentrates</td>
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<tr>
<td>resin-free pigment concentrates</td>
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</tbody>
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not suitable partly suitable suitable

TYPICAL APPLICATIONS

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

TECHNICAL DATA

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

SOLUBILITY

<table>
<thead>
<tr>
<th>Water</th>
<th>Ethanol</th>
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<table>
<thead>
<tr>
<th>TPGDA</th>
<th>Acetone</th>
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<table>
<thead>
<tr>
<th>Butylacetate</th>
<th>Mineral Spirits</th>
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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.

MSDS & REGULATORY INFORMATION

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability on our part, including with respect 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 granted 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.

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