Product Description
Organophilized Zinc Phosphate and Zinc Molybdate

Features and Benefits
- White anticorrosive pigment with high specific surface area based on a combination of active compounds that improves pigment efficiency
- The organic surface treatment improves pigment-resin interphase and enhances performance
- High anticorrosive activity at low concentration. More efficient than standard Zinc Phosphate
- Allows formulation of labeling-free anticorrosive paints
- For optimal cost efficient results, technical data and effectiveness must be considered to avoid pigment overdose

Technical Data

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Typical value</th>
<th>Analysis method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific gravity</td>
<td>3.2 g/cm³</td>
<td>ASTM D-153-82</td>
</tr>
<tr>
<td>Oil absorption</td>
<td>34.0-45.0 g/100g pigment *</td>
<td>ASTM D-281-31</td>
</tr>
<tr>
<td>Loss on ignition 550°C</td>
<td>10.0-14.0% *</td>
<td>ISO 6745p.7</td>
</tr>
<tr>
<td>Sieve residue 44µ</td>
<td>&lt;0.2% *</td>
<td>ASTM D185-78</td>
</tr>
<tr>
<td>Zn, as ZnO, on calc. prod.</td>
<td>63.0-66.0% *</td>
<td>ISO 6745p.8</td>
</tr>
<tr>
<td>Water extract pH</td>
<td>6.0-8.0 *</td>
<td>ISO 787-9</td>
</tr>
<tr>
<td>Conductivity</td>
<td>600-950 μS/cm *</td>
<td>ISO 787-14</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>31 mg/100ml</td>
<td>ISO 787-8</td>
</tr>
<tr>
<td>Chlorides + Sulphates</td>
<td>&lt;0.02% *</td>
<td>NCF-87-1 **</td>
</tr>
<tr>
<td>Surface area</td>
<td>6-13 m²/g</td>
<td>ISO 9277</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Powder</td>
<td></td>
</tr>
<tr>
<td>Packaging</td>
<td>25 kg bag</td>
<td></td>
</tr>
</tbody>
</table>

Applications
- High performance in a wide range of water and solvent based systems
- Suitable for thin film applications

Solvent based paint systems
- Short oil alkyds
- Medium oil alkyds
- Long oil alkyds
- High solids alkyds
- High solids epoxies
- Epoxy esters
- Urethanes
- Wash & Shop primers (PVB)
- ** Powder coating
- ** Wash and Shop primers
- ** Wash & Shop primers (PVB)
- ** DTM Gloss

Water based paint systems
- Alkyds
- Epoxies
- Vinylidene Chloride
- Urethanes
- Applications
- Wash and Shop primers
- ** Oil coating
- ** DTM Gloss

Key
- **** Best choice
- *** Excellent performance
- ** Good performance
- ● Possible choice
- N.R. Not recommended

Disclaimer for commercial products
Nubiola can certify only those parameters in the Technical Data Sheet for our products. Nubiola is not responsible for any use, misuse, handling or storage conditions that may act to the detriment of the specifications of our products, or pose a risk to human health or the environment.

Due to the fact that there are a multitude of formulations, manufacturing processes and end uses, Nubiola strongly recommends that customers conduct performance testing under their own testing program, and carry out appropriate verifications in order to determine the ultimate suitability of our products, and comply with existing laws and regulations.

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SDS and guiding formulas in different paint systems are available upon request.

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