


<b>Preliminary Technical Product Information</b>			
<b>AQUAVEX PLUS series</b>			
<b>Article-No.:</b>  028499... 028596...	<b>Product Name:</b>  AQUAVEX PLUS ELITE 0008 AQUAVEX PLUS ELITE 0015		
<b>REVISION:</b> 0	<b>EDITION:</b> FEB 2025	<b>IDENT-No.:</b> 00574.E	<b>PAGE</b> 1 OF 1

### Product description:

AQUAVEX PLUS are stabilized pigment pellet for water-based inks and coatings systems. The formulation contains a non-ionic surfactant as carrier.

The supply form of AQUAVEX pigment pellets offer following advantages:

- Easy dispersion and low foaming
- Free of solvents
- Free of water
- Non-dangerous goods
- Suitable for air transportation

The AQUAVEX PLUS series is characterized by an additional chemical passivation to minimize gassing and to significantly improve intermediate adhesion.

### Application:

Water-based ink systems for flexo, gravure and coating units  
Water-based screen and coatings formulations

Paper and board printing  
Flexible packaging printing inks  
Label printing  
Wallpaper printing

As with all metallic inks the substrate has an influence on the final result. Very absorbent or uneven substrates often cause poor pigment orientation resulting in inferior brilliance. This is true not only for optical properties as brilliance and hiding power, but also for printing properties such as adhesion and curing. In some cases, the use of primers to improve the substrate surface is advantageous.

### Product properties:

Very good gassing stability  
Good intercoat adhesion (system dependent)  
Good rub resistance

### Pigment dispersion process

We recommend to pre-disperse AQUAVEX PLUS pigment pellet with de-mineralized water, mixing ratio approx. 1:1. In case of a rather low viscosity, the ink vehicle can also be used as medium for the pigment dispersion. Suitable dispersion tools are speed mixers, dissolvers, We recommend to apply moderate speed to avoid too high shear forces and foaming.

### Technical product data:

AQUAVEX Plus Elite	0008 Silver	0015 Silver
<b>Pigment type</b>	Silver dollar non-leafing	Silver dollar non-leafing
<b>Pigment content</b>	appr. 75 %	appr. 75 %
<b>Pigment particle size (d<sub>50</sub>)*</b>	appr. 12 µm	appr. 16 µm
<b>Brilliance</b>	***	****
<b>Hiding power</b>	***	**
<b>Solvent content</b>	traces	traces
<b>VOC</b>	traces	traces
<b>MOSH/MOAH residues</b>	< 0,3 %	< 0,3 %

*For specifications of our products, please refer to the technical data sheet. This is not valid for experimental products.*

*\*mean particle size, determined by Helos Sympatec laser granulometry*

The content of MOSH / MOAH for AQUAVEX PLUS products is specified < 0.3% which enables compliance with the limit values for inks according to the French legislation of mineral oil in printing inks for packaging and other uses (article 112 of the Law "AGEC" of February).

For further **Regulatory information** please refer to the Eckart Regulatory Information sheet (ERI), which is available on request.

### Storage and transportation:

All AQUAVEX grades should be stored at temperatures below 25°C. High temperatures as well as very low temperatures should be avoided as these conditions could damage the product.

**Shelf life:** 6 months

For further information or samples, please contact:

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