


Preliminary Technical Product Information			
SILVET AD series			
Article-No.: 028439... 028417... 028468... 028467...	Product Name: SILVET AD 0017 SILVET AD Premier 0011 SILVET AD ULTRA 0011 SILVET AD ULTRA 0015		
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Product description:

SILVET AD are pigment pellet pigments for solvent-based inks and coatings systems. The pellet contains a widely compatible aldehyde resin as carrier.

The supply form of SILVET pigment pellets offer following advantages:

- Easy dispersion
- Free of solvents
- Non-dangerous goods
- Suitable for air transportation

SILVET AD are non-leafing aluminum flake pigments in a low dusting granular form. The high metal content has been chosen to maximize formulation flexibility while ensuring easy dispersibility in printing ink applications. This grade is especially suitable for solvent-based gravure and flexographic inks, in which it displays optimal opacity and adhesion, particularly on polymer films. SILVET AD grades are dispersible in all common organic solvents except aliphatic hydrocarbons. They are compatible with a wide range of film formers, such as NC, PVB and acrylics, but are unsuitable for water-based systems.

Application:

Solvent-based ink systems for gravure, flexo- and screen printing

Paper and board printing
Flexible packaging printing inks
Labels and shrink sleeves

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:

Good compatibility and gassing stability
Overprint varnish recommendable

Pigment dispersion process

We recommend soaking and pre-dispersing SILVET AD pigment pellet with suitable solvents like Esters or Alcohols, mixing ratio approx. 1:1.

A soaking time of at least 20 min and premixing helps to disperse and homogenize the pigment particles with low shear forces. Suitable dispersion tools are speed mixers, dissolvers, We recommend to apply moderate speed to avoid unnecessary high shear forces, which could damage the flake structure of the pigments.

Technical product data:

SILVET AD	0017	Premier 0011	Ultra 0011	Ultra 0015
Pigment type	Silverdollar non-leafing	Silverdollar non-leafing	Silverdollar non-leafing	Silverdollar, non-leafing
Pigment content	appr. 80 %	appr. 80 %	appr. 80 %	appr. 80 %
Pigment particle size (d₅₀)*	appr.17 µm	appr.11 µm	appr.14 µm	appr.15 µm
Brilliance	***	***	***	****
Hiding power	**	***	****	***
Solvent content	traces	traces	traces	traces
VOC	traces	traces	traces	traces
MOSH/MOAH residues	< 0,1 %	< 0,1 %	< 0,1 %	< 0,1 %

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 SILVET AD products is specified < 0.1% which guarantees compliance 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 SILVET AD 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: 12 months

For further information or samples, please contact:

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