

# INDUSTRIAL COATINGS & GRAPHIC ARTS

SILBERCOTE® Aqua Pellet Aluminum Pigment



**SILBERLINE®**

The Architects of Light®



## For over 70 years,

Silberline has been an industry leader in providing metallic pigments to the coatings and graphic arts market. Our portfolio is comprised of a broad range of grades consisting of high performance metallic pigments designed for the unique needs of the coatings and graphic arts industries.

### SILBERCOTE Aqua Pellet Aluminum Pigment

Silberline's new SILBERCOTE Aqua Pellet is a non-leafing, low-dusting, low VOC aluminum granule pigment that offers formulators and manufacturers proprietary passivation technology in a pellet form. It is available in small to large custom particle sizes and is compatible in waterborne systems.

Aqua Pellet contains less than 1.5% residual solvent, which allows for lower VOC inks and coatings to be formulated. This flexible pigment is easily dispersed in water, alcohol or glycol ethers and offers excellent gassing stability in waterborne inks and coatings. SILBERCOTE Aqua Pellet allows for 100% consumption and ease of handling. As an added benefit, due to the composition of this material it is suitable to be airfreighted.

### SILBERCOTE Aqua Pellet Series

Provides excellent adhesion, aesthetics, and high pigment concentration.

**SILBERCOTE Aqua Pellet 27112** contains a fine particle size aluminum flake pigment with an extremely bright silver effect

- Excellent water stability resulting in extremely low gassing
- Cost-effective in comparison to silica coated grades
- Suggested applications are waterborne inks and some waterborne industrial paints.

**SILBERCOTE Aqua Pellet 27128** contains a medium particle size aluminum flake pigment with good sparkle.

- Features broader solvent compatibility, making it easier to use
- Easy dispersion and excellent gassing stability
- Suggested applications are waterborne coatings and some waterborne screen printing inks





### SILBERCOTE Aqua Pellet Series

Grade	Percentage Non-volatile by Weight	Aluminum Flake Content	Diameter (50%) Microns	Carrier Percentage	Flake Geometry	Application
SILBERCOTE Aqua Pellet 27112	>98.5%	77.1 - 78.3%	12	21.4 - 21.7%	Silver Dollar	Inks, Industrial Coatings
SILBERCOTE Aqua Pellet 27128	>98.5%	78.8 - 80.0%	28	19.7 - 20.0%	Corn flake	Industrial Coatings

## SILBERCOTE Aqua Pellet Incorporation Guidelines

The recommended method of dispersion is to soak the granules in 1 to 2 times their weight of water, then mix gently to a creamy consistency, free of agglomerates by low shear stirring. When completely dispersed, the balance of the formulation may be slowly added under gentle but efficient agitation. To avoid damage to the pigment flakes that could induce gassing and reduce the metallic effect, agitation should be efficient but low shear. If it is necessary to use high shear to dissolve or disperse any component of the binder, this should be done before introducing the aluminum pigment. The final pH should be as close to neutral as possible. As the water stability of this grade is very system dependent, small scale trials are recommended to verify the required level of performance.

Silberline's technical service team can help select the appropriate product grade, formulation or application technique for your specific process. By using high quality test methods and practices at Silberline's Center for Technical Functions and Advanced Manufacturing we can help customers solve their most challenging coatings problems.

#### Packaging

- 200 g sample
- 15 kg pails



## Global Reach

Silberline has been an industry leader for over 70 years providing metallic pigments and technical expertise to industrial customers around the world. Whether you need special effect or performance-enhancing products for automotive, industrial coatings, graphic arts or plastics, contact The Architects of Light at your local office below or visit [www.silberline.com](http://www.silberline.com).



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