

Product Information

AQUASIL® BP 3500 Inhibited Aluminum Pigment

PRODUCT DESCRIPTION

AQUASIL BP 3500 is a medium particle size, bright, non-leafing inhibited aluminum pigment for waterborne general industrial coatings. This is an economical grade with cornflake geometry and wide particle size distribution range. This grade can be used with chromatic pigments to produce colored metallic effects.

- Non-leafing

PRODUCT APPLICATION

This grade is for use in waterborne general industrial coatings.

TECHNICAL DATA

Grade	325 mesh grade
Screen Analysis (Max Retained)	2%
Non-Volatile By Weight (Target)	63% by weight
Non-Volatile By Volume (Calculated)	37.4% by volume
Particle Size-Microns (Target)	27.5
Aluminum Flake Content (Calculated)	54.3% minimum by weight
Specific Gravity	1.49
Weight Volume (lbs/gallon)	12.43
Weight Volume (kgs/liter)	1.49
Solvent	Mixture of mineral spirits, high aromatic, nitroethane and propylene glycol ether

INCORPORATION GUIDELINES

The paste should be pre-soaked in co-solvent at a paste:solvent ratio of between 1:1 to 3:1. When formulating aqueous inks, the pH of the system should be kept as close to neutral as possible. Pre-soaking generally takes from one to eight hours. Finer grades typically take longer than coarser grades. Use low shear, slow speed mixing to achieve a smooth consistency free of agglomerates. High shear dispersion techniques should be avoided, as they will distort the aluminum flakes.

SAFETY AND HANDLING

Aluminum pigment should be stored in the original shipping container and kept tightly sealed. Store containers in a cool, dry, well-ventilated, and properly rated area. Avoid any conditions that will suspend or float the particles in the air, creating a dust cloud. Avoid all possible sources of ignition. For additional information, please refer to the Safety Data Sheet (SDS) for this product, available from Silberline upon request. An SDS is supplied with all samples of this grade.

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