

SILBERCOTE® AQ Star 022 Inhibited Aluminum Pigment

PRODUCT DESCRIPTION

SILBERCOTE AQ Star 022 is a medium coarse particle size, narrow size distribution, inhibited silver dollar aluminum flake pigment. Using advanced techniques, silica is deposited onto the surface of the aluminum flake producing a pigment with excellent gassing resistance and stability. SILBERCOTE AQ Star 022 offers exceptionally bright face color, deep flop and enhanced sparkle. This product is recommended for high quality waterborne automotive finishes where excellent metallic color travel and clean metallic colors are required.

PRODUCT APPLICATION

SILBERCOTE AQ Star 022 is applicable for use in automotive waterborne OEM, refinish, parts, accessories, and interiors. It performs well in both electrostatic Bell and air-assisted applications. It is recommended for base coat/clear coat finishes resulting in excellent D.O.I.

TECHNICAL DATA

Non-Volatile By Weight (Target)	60% by weight
Particle Size-Microns (Target)	22
Specific Gravity	1.40 - 1.50

INCORPORATION GUIDELINES

Though satisfactory results may be obtained by careful addition of the product to the liquid vehicle, the recommended method of incorporation is to briefly soak the product in 1-2 times its own weight of water or co-solvent. Dispersion is achieved by low energy stirring, using a slow speed blade capable of moving the whole mass. This pre-mix is then slowly added to the agitated bulk of the binder. If it is necessary to use high shear to dissolve or disperse any component of the binder, this should be done before introducing the pre-mix. The final pH should be as close to neutral as possible. High shear should be avoided as it bends and breaks the flakes, reducing both brightness and gassing resistance. As the water stability of this grade may be system dependent, trials are recommended to verify the required level of performance.

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 MSDS for this product, available from Silberline upon request. A Material Safety Data Sheet is supplied with all samples of this grade.

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