



**SILBERLINE**

The Global Supplier of Effect Pigments<sup>SM</sup>

## PRODUCT DATA SHEET

### TUFFLAKE® PREMIER 013 Aluminium Pigment

#### PRODUCT DESCRIPTION

TUFFLAKE Premier 013 is a fine, bright circulation resistant silver dollar aluminium pigment. It offers a very smooth patina and narrow particle size distribution.

Circulation Resistant  
Non-Leafing  
Silver Dollar  
OEM Refinish

#### PRODUCT APPLICATION

TUFFLAKE Premier 013 is applicable for use in automotive masstones and tint base systems allowing the formulator to create very smooth, brilliant masstones or clean vibrant colours. It is circulation-resistant aluminium pigment specifically designed to withstand mechanical forces and maintain its target appearance. TUFFLAKE® Premier 013 is designed for the stylist to raise the bar in terms of metallic effects creativity.

#### TECHNICAL DATA

Screen Analysis:	99.99% minimum (325 mesh), wet method
Non-Volatile (minimum):	72.0%
Particle Size [microns]:	13µm by Malvern Mastersizer
Specific Gravity:	1.65
Mineral spirits (max):	13.0%
Aromatic solvents (max):	15.0%
Moisture content (max):	0.15%

#### INCORPORATION GUIDELINES

The paste should be soaked in about its own weight of solvent, ideally for one to eight hours. Strong solvents, i.e. those that are highly polar, are best avoided as they can reduce the leafing effect. If using solvent alone is not feasible, the liquid coating medium can be substituted, but the dispersion time may be extended. Dispersion is best achieved by low energy stirring, using a slow speed blade capable of moving the whole mass. Further solvent or medium may be added at this stage. When a smooth consistency, free of soft aggregates has been obtained, the balance of the formulation may be slowly added. High shear should be avoided as it bends and breaks the flakes, reducing their brightness.

#### SAFETY AND HANDLING

Aluminium 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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