



The Shepherd Color Company
We Brighten Lives



TECHNICAL DATA SHEET

TDS #409
Revision 2
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StarLight™ FX15

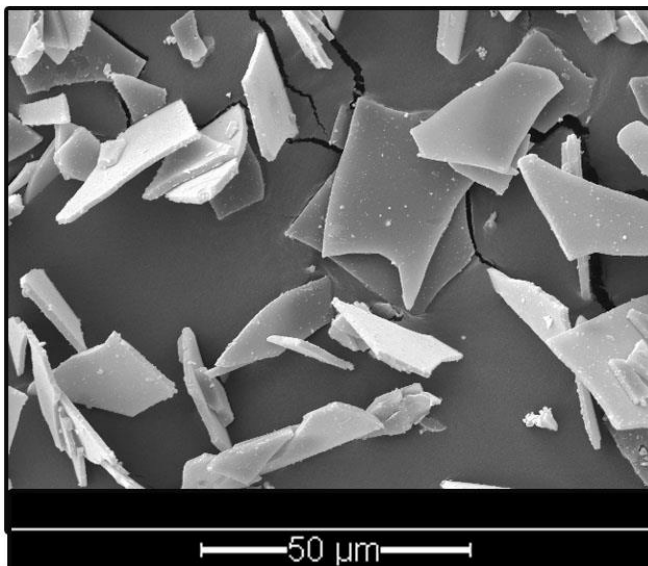
CAS #s 65997-17-3; 7440-22-4

DESCRIPTION: Micron-thick silver coated glass flakes with brilliant light reflecting properties. Adds unrivalled sparkle and luster to many applications. This pigment is particularly designed for liquid and powder coatings, dispersions, and inks, but will also work well in various plastics. The perfectly flat glass flake substrate provides a solid base for the metallic appearance which maximizes light reflection. The flake particles are easily dispersible and incorporated in coatings by simple mixing. High concentrations of the silver-coated platelets will provide a degree of electrical conductivity. Compatible with most resin systems and polymers. Non-warping in plastics.

COMPOSITION: Silver coated glass flakes

Physical Property	Typical Value	Units	Test Method*
Specific Gravity	3.1	n/a	SCTM 312
Mean Particle Size	18	µm	SCTM 348
Percent moisture	0.3	wt. %	SCTM 248
Heat stability	1400	°F	observed
	750	°C	

*SCTM refers to Shepherd Color Testing Method.



Scanning Electron Microscope image of FX15 at 1000x

TYPICAL PSD d_{10} d_{50} d_{90} Values

$d_{10} = 6 \mu\text{m}$

$d_{50} = 16 \mu\text{m}$

$d_{90} = 32 \mu\text{m}$

Issued by: **Brian Schwer – Technical Manager**

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