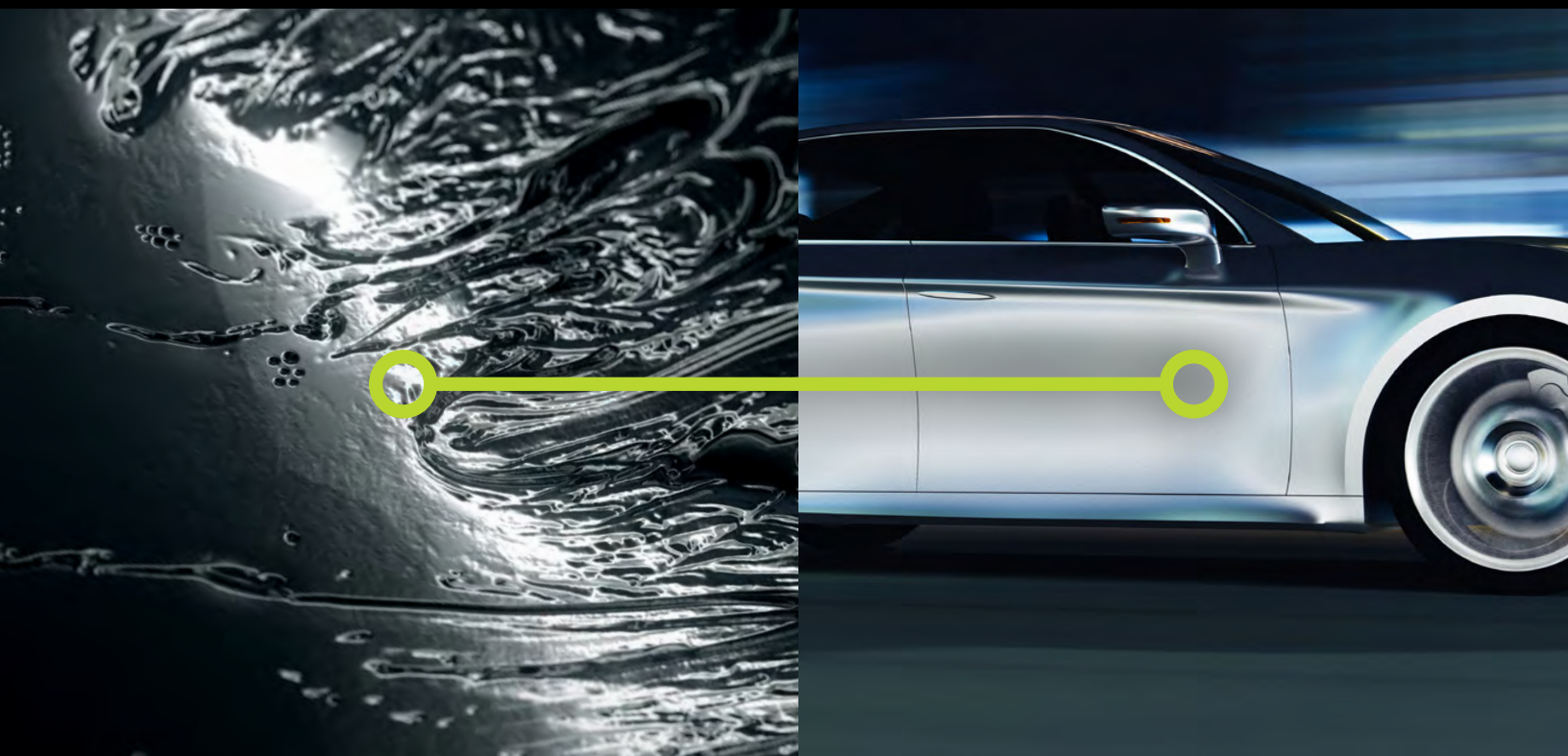


SILBERLINE™

FROM SCIENCE TO SHINE™

PAINT + COATINGS

Product Data and Selection Guide: North America



We transform raw materials from science to shine, beautifying the products of our customers throughout the world.

We are Silberline.

Silberline thrives on a passion for innovation in creating the finest aluminum pigments for the brightest, most appealing effects possible. We are equally committed to supporting a balanced environment by seeking sustainable solutions in all we do.

Silberline's many lines of aluminum pigments can be used in coatings for applications as diverse as automotive, plastics, graphics arts and general industrial. With a wide range of particle sizes, geometry and delivery form options, the possibilities for applying our products are as limitless as your imagination.

PIGMENT SERIES ■ Suitable	Automotive Solventborne OEM	Automotive Waterborne OEM	Automotive Solventborne Refinish	Automotive Waterborne Refinish	Automotive Parts and Accessories	Wheels	Automotive Interior	Solventborne Industrial Coatings	Waterborne Industrial Coatings	Can Coatings	Powder Coatings
A Series								■		■	
AQUA PASTE®		■		■	■	■	■		■		
AQUASIL®									■		
AQUAVEX®									■		
AQUAVEX AD									■		
AQUAVEX AD Premier									■		
Dedusted Flake											■
ETERNABRITE®								■			
ETERNABRITE Premier								■			
SILBERCOTE® AQ		■		■	■	■	■		■		
SILBERCOTE AQ Liquid Metal		■		■	■	■	■		■		
SILBERCOTE AQ X-treme		■		■	■	■	■		■		
SILBERCOTE AQ Star		■		■	■	■	■		■		
SILBERCOTE PC Elite											■
SILBERCOTE PC-X											■
SILBERCOTE PC-XS											■
SILBERCOTE Y					■		■	■			
SILBERCOTE Z					■		■	■			
SILVER STAR®	■		■		■	■	■	■			
SILVET®											■
SPARKLE SILVET®											■
SPARKLE SILVER®	■		■		■	■	■	■			
SPARKLE SILVER Premier	■		■		■	■	■	■			
SPARKLE SILVER ULTRA®	■		■		■	■	■	■			
SPARKLE SILVER Elite	■		■		■	■	■	■			
SPARKLE SILVER X-treme	■		■		■	■	■	■			
SPARKLE SILVER ULTRA Liquid Metal	■		■		■	■	■	■			
SPARKLE SILVER Elite Liquid Metal	■		■		■	■	■	■			
Standard								■		■	
STARBRITE®					■	■	■	■			
STARBRITE Reveal					■	■	■	■			
STARBRITE Reveal AQ					■	■	■		■		
TUFFLAKE®	■										
TUFFLAKE Premier	■										



PRODUCTS + SPECIFICATIONS

ALUMINUM PIGMENTS FOR WATERBORNE COATINGS

Silberline has developed several unique passivation technologies, each with a level of sophistication and performance that is tailored to meet legislative requirements for waterborne coatings. Various chemistries have been developed to optimize the interaction with the aluminum flake surface, imparting outstanding performance and stability while maintaining optimum aesthetics. Silberline can apply its passivation technology to any traditional aluminum pigment we manufacture, resulting in a wide range of possible metallic effects. In addition, each batch of passivated aluminum pigment is tested and approved for gassing stability prior to shipment.

Passivated Aluminum Paste for Waterborne Coatings					
Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier	Passivation
AQUA PASTE					
AQUA PASTE 5500-C43	57.0	14	0.10	MS/HA/GE	PHS
AQUA PASTE 554-C33	63.0	16	0.10	MS/HA/GE	PHS
AQUA PASTE 354-C23	64.0	24	0.10	MS/HA/GE	PHS
AQUA PASTE 3130-C23	64.0	36	0.10	MS/HA/GE	PHS
AQUASIL WATERBORNE LEAFING					
AQUASIL BP 205	68.0	15	1.00	MS/HA/NE/GE	PHS/SF
AQUASIL WATERBORNE NON-LEAFING					
AQUASIL BP SN	63.0	14	1.00	MS/HA/NE/GE	PHS/SF
AQUASIL BP 5500	62.0	14	0.10	MS/HA/NE/GE	PHS/SF
AQUASIL BP SO	63.0	17	1.00	MS/HA/NE/GE	PHS/SF
AQUASIL BP 3500	63.0	27	2.00	MS/HA/NE/GE	PHS/SF
AQUASIL BP 3641	68.0	31	1.00	MS/HA/NE/GE	PHS/SF
AQUASIL BP 3622	78.0	35	1.00	MS/HA/NE/GE	PHS/SF

Abbreviations: GE (Glycol Ether); HA (High Aromatic); MS (Mineral Spirits); NE (Nitroethane); PHS (Phosphate); SF (Surfactant)

*Maximum percentage retained 200 mesh

AQUA PASTE – Easy dispersion in co-solvent and provides excellent gassing resistance and stability in waterborne systems. This line includes a combination of solvents useful for formulating in waterborne applications. Silberline's AQUA PASTE inorganic passivation technology is applicable to traditional corn flake and silver dollar aluminum flake pigments.

AQUASIL – Specifically created for aqueous architectural and industrial maintenance coatings. This line of products offers a cost-effective alternative for achieving stability and system compatibility with a broad range of coating vehicles, while offering aesthetics to meet virtually any formulating requirement.

PRODUCTS + SPECIFICATIONS

Inhibited Aluminum Paste for Waterborne Coatings					
Family	Percentage Non-volatile by Weight	D (50%) Microns	Geometry	Solvent Carrier	Surface Treatment
SILBERCOTE AQ					
SILBERCOTE AQ E5000-F3X	50.0	15	Corn Flake	GE	Silica
SILBERCOTE AQ E2169-F3X	50.0	15	Corn Flake	GE	Silica
SILBERCOTE AQ E666-F2X	50.0	20	Corn Flake	GE	Silica
SILBERCOTE AQ 3500-F2X	50.0	28	Corn Flake	GE	Silica
SILBERCOTE AQ 3130-F1X	58.0	36	Corn Flake	GE	Silica
SILBERCOTE AQ E2140-F3X	50.0	14	Silver Dollar	GE	Silica
SILBERCOTE AQ E554-F2X	50.0	17	Silver Dollar	GE	Silica
SILBERCOTE AQ E2154-F2X	50.0	18	Silver Dollar	GE	Silica
SILBERCOTE AQ E354-F3X	58.0	26	Silver Dollar	GE	Silica
SILBERCOTE AQ Liquid Metal 011	60.0	11	Silver Dollar	GE	Silica
SILBERCOTE AQ Liquid Metal 020	60.0	20	Silver Dollar	GE	Silica
SILBERCOTE AQ Elite Liquid Metal 011	60.0	11	Silver Dollar	GE	Silica
SILBERCOTE AQ Elite Liquid Metal 015	60.0	15	Silver Dollar	GE	Silica
SILBERCOTE AQ X-treme 15	55.0	15	Silver Dollar	GE	Silica
SILBERCOTE AQ X-treme 17	55.0	17	Silver Dollar	GE	Silica
SILBERCOTE AQ X-treme 19	55.0	19	Silver Dollar	GE	Silica
SILBERCOTE AQ X-treme 20	60.0	20	Silver Dollar	GE	Silica
SILBERCOTE AQ Star 010	60.0	10	Silver Dollar	GE	Silica
SILBERCOTE AQ Star 012	60.0	12	Silver Dollar	GE	Silica
SILBERCOTE AQ Star 015	60.0	16	Silver Dollar	GE	Silica
SILBERCOTE AQ Star 018	60.0	18	Silver Dollar	GE	Silica
SILBERCOTE AQ Star 022	60.0	22	Silver Dollar	GE	Silica
SILBERCOTE AQ Elite 010	60.0	10	Silver Dollar	GE	Silica
SILBERCOTE AQ Elite 012	60.0	12	Silver Dollar	GE	Silica
SILBERCOTE AQ Elite 014	60.0	14	Silver Dollar	GE	Silica

Abbreviation: GE (Glycol Ether)

SILBERCOTE AQ – Passivated aluminum pigments use advanced technology to encapsulate each individual flake of aluminum with a uniform, coherent and protective layer of silica. The result is a pigment with excellent gassing resistance and stability in a wide range of metallic effects. Easily dispersed into water/co-solvent while providing excellent adhesion. The treatment can be applied to both corn flake and silver dollar aluminum pigments and has been found to also enhance the circulation stability of the pigment while maintaining the flake integrity, shape and coloristic properties.

PRODUCTS + SPECIFICATIONS

Passivated Aluminum Pigments for Waterborne Coatings

Family	Percentage Non-volatile by Weight	D (50%) Microns	Geometry	Type	Carrier	Aluminum Content	Passivation
AQUAVEX							
AQUAVEX L 010	98.5	10	Corn Flake	Leafing	SF	80	Advanced Phosphate
AQUAVEX NL 010	98.5	10	Corn Flake	Non-leafing	SF	80	Advanced Phosphate
AQUAVEX NL 013	98.5	13	Corn Flake	Non-leafing	SF	80	Advanced Phosphate
AQUAVEX NL 015	98.5	15	Corn Flake	Non-leafing	SF	80	Advanced Phosphate
AQUAVEX NL Premier 011	98.5	12	Silver Dollar	Non-leafing	SF	80	Advanced Phosphate
AQUAVEX NL Premier 016	98.5	16	Silver Dollar	Non-leafing	SF	80	Advanced Phosphate
AQUAVEX AD 010	98.5	10	Corn Flake	Non-leafing	SF	75	PHS
AQUAVEX AD 013	98.5	13	Corn Flake	Non-leafing	SF	75	PHS
AQUAVEX AD 015	98.5	15	Corn Flake	Non-leafing	SF	75	PHS
AQUAVEX AD Premier 011	98.5	11	Silver Dollar	Non-leafing	SF	75	PHS

Abbreviation: PHS (Phosphate); SF (Surfactant)

AQUAVEX – Passivation utilizes advanced phosphate technology to stabilize the aluminum pigment from reacting with water in waterborne coatings systems. The product is supplied in a granular version containing a low-foaming, non-ionic surfactant for easy dispersion directly into water. AQUAVEX contains 80% aluminum pigment, is low dusting and is virtually solvent-free. AQUAVEX AD has a pigment content of 75% and improves adhesion to substrate and clear coat. It is recommended that AQUAVEX AD granules are allowed to soak in plain water for no longer than 3 hours and always in an unsealed or vented container prior to being converted into the final ink.





PRODUCTS + SPECIFICATIONS

ALUMINUM PIGMENTS FOR SOLVENTBORNE COATINGS

Leafing and non-leafing aluminum pigments are commonly used in a variety of coatings including maintenance coatings, powder coatings, automotive coatings and traditional liquid coatings. Aluminum pigments bring value to these coatings by increasing their aesthetic value and by adding functional attributes to the finished coating film.

Leafing Aluminum Paste for Solventborne Coatings

Family	Percentage Non-volatile by Weight	Minimum Percentage Leafing	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier	ASTM D962-86
STANDARD SERIES						
Extra Fine P	73.0	55	9	0.10	MS	Type II; Class A
Extra Fine A	65.0	55	12	0.10	MS	Type II; Class A
Stamford P	73.0	55	13	1.00	MS	Type II; Class B
Stamford A1	65.0	55	15	1.00	MS	Type II; Class B
Silvar A	65.0	55	20	15.00	MS	Type II; Class C
ETERNABRITE						
ETERNABRITE 651-1	72.0	80	7	0.10	MS	Type II; Class A
ETERNABRITE Premier 351	80.0	60	13	0.10	MS	Type II; Class A
ETERNABRITE 301-1	68.0	90	14	1.00	MS	Type II; Class B
ETERNABRITE Premier 255	74.0	70	15	0.10	MS	Type II; Class A
ETERNABRITE Premier 251	74.0	70	17	0.10	MS	Type II; Class A

Abbreviation: MS (Mineral Spirits)

Standard Series – Standard leafing grades are based on corn flake geometry. They are manufactured to offer economical solutions to the coatings formulator seeking to develop coatings with typical metallic leafing effects. These products are available in medium to fine particle size and are characterized by a broad particle size distribution range for good coverage.

ETERNABRITE – These leafing pastes are based on corn flake geometry manufactured to provide enhanced leafing characteristics.

ETERNABRITE Premier – Products based on silver dollar geometry offer stronger, brighter, and more specular leafing reflectance compared to the standard leafing grades.

PRODUCTS + SPECIFICATIONS

Non-Leafing Aluminum Paste for Solventborne Coatings

Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier
STANDARD SERIES				
Super Fine N	65.0	6	0.10	MS/HA
Extra Fine N	65.0	7	0.10	MS/HA
Extra Fine O	65.0	10	0.10	MS/HA
L-270	65.0	12	0.10	MS/HA
Lansford 243	65.0	14	1.00	MS/HA
Stamford O	65.0	17	1.00	MS/HA
Stamford Q	65.0	23	2.00	MS/HA
A-2291FG	65.0	8	0.10	MS/HA

Abbreviations: HA (High Aromatic); MS (Mineral Spirits)

*Maximum percentage retained 200 mesh

Standard Series – A non-leafing series based on corn flake geometry. It is ideally suited for use in industrial coatings where economics and typical metallic appearance is important. The metallic effects produced by this grade range from a muted silver to a standard silver appearance. The standard non-leafing pastes are available with particle sizes ranging from medium to extra fine. They are characterized by a relatively broad particle size distribution range for good coverage.



PRODUCTS + SPECIFICATIONS

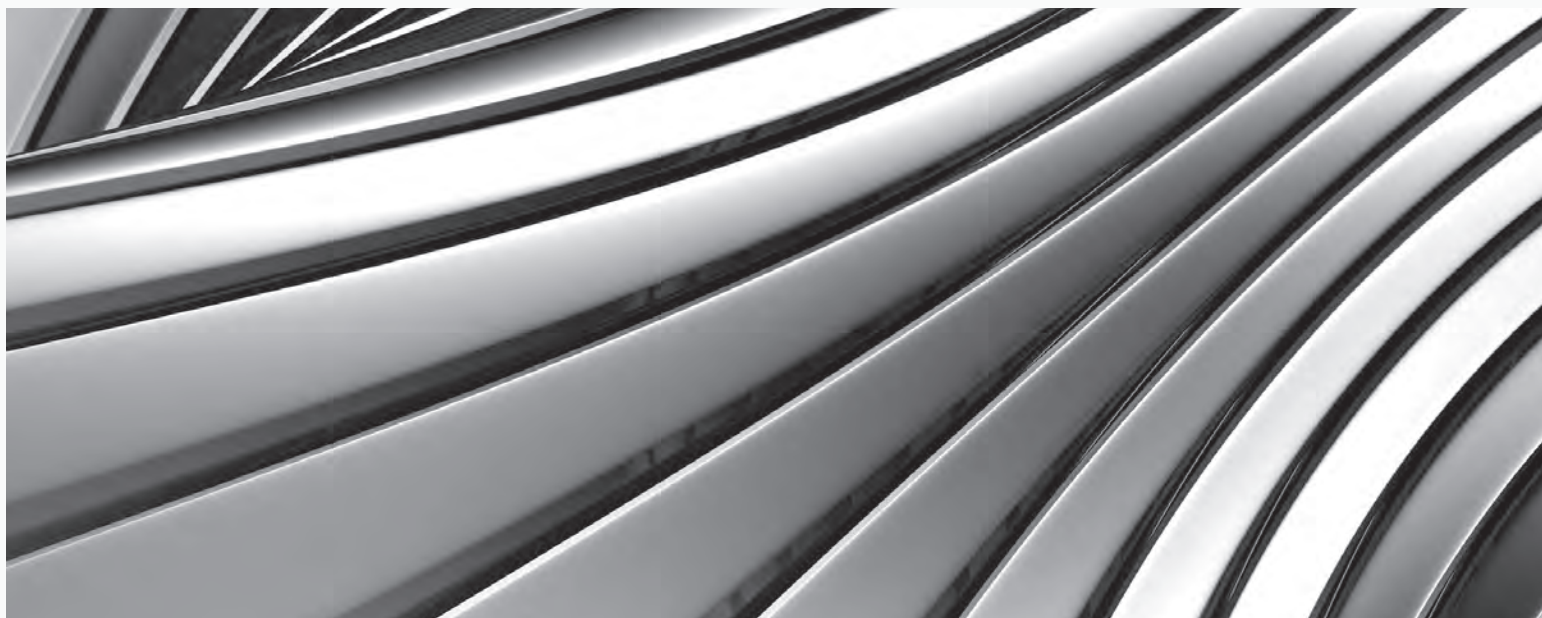
Corn Flake Aluminum Paste for Solventborne Coatings

Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier
SPARKLE SILVER				
SPARKLE SILVER 7000-AR	64.0	7	0.10	MS/HA
SPARKLE SILVER 7500	64.0	11	0.10	MS/HA
SPARKLE SILVER 6246-AR	62.0	13	0.01	MS/HA
SPARKLE SILVER 5500	64.0	14	0.10	MS/HA
SPARKLE SILVER 5000-AR	64.0	14	0.10	MS/HA
SPARKLE SILVER 3333-AR	60.0	15	0.10	MS/HA
SPARKLE SILVER 5745	64.0	19	0.01	MS/HA
SPARKLE SILVER 5271-AR	64.0	19	0.01	MS/HA
SPARKLE SILVER 5245-AR	62.0	21	0.01	MS/HA
SPARKLE SILVER 3500 *	65.0	27	2.00	MS/HA
SPARKLE SILVER 3201-ST	65.0	28	1.00	MS/HA
SPARKLE SILVER 3000-AR	65.0	28	2.00	MS/HA
SPARKLE SILVER 3199-AR	60.0	29	2.00	MS/HA
SPARKLE SILVER 3166-AR	60.0	30	5.00	MS/HA
SPARKLE SILVER 3666	60.0	30	5.00	MS/HA
SPARKLE SILVER 3141-ST *	66.0	30	1.00	MS/HA
SPARKLE SILVER 3641 *	70.0	31	1.00	MS/HA
SPARKLE SILVER 3622	78.0	35	1.00	MS/HA
SPARKLE SILVER 3130-AR *	74.0	36	1.00	MS/HA
SPARKLE SILVER 3122-AR	78.0	36	1.00	MS/HA

Abbreviations: HA (High Aromatic); MS (Mineral Spirits)

*Produced Globally **Maximum percentage retained 200 mesh

SPARKLE SILVER – This series was developed with technology to polish the aluminum flake surface which combined with a controlled particle size distribution, can be utilized in many solventborne coatings applications. The wide range of particle sizes available allows formulation of high opacity, smooth patina metallic silver effects and tints through to highly sparkling effects.



Silver Dollar Aluminum Paste for Solventborne Coatings

Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier
SILVER STAR				
SILVER STAR 010	70.0	10	0.01	MS/HA
SILVER STAR 012	70.0	12	0.01	MS/HA
SILVER STAR 015	70.0	15	0.10	MS/HA
SILVER STAR 018	70.0	18	0.10	MS/HA
SILVER STAR 022	75.0	22	0.10	MS/HA
SPARKLE SILVER Premier 695	75.0	12	0.01	MS/HA
SPARKLE SILVER Premier 572	70.0	14	0.01	MS/HA
SPARKLE SILVER Premier 516-AR	64.0	14	0.01	MS/HA
SPARKLE SILVER Premier 552	70.0	15	0.01	MS/HA
SPARKLE SILVER Premier 504-AR	70.0	15	0.01	MS/HA
SPARKLE SILVER Premier 554	70.0	16	0.01	MS/HA
SPARKLE SILVER Premier 404-AR	70.0	18	0.01	MS/HA
SPARKLE SILVER Premier 303-AR *	70.0	20	0.01	MS/HA
SPARKLE SILVER Premier 454	70.0	22	0.01	MS/HA
SPARKLE SILVER Premier 313-AR *	70.0	22	0.01	MS/HA
SPARKLE SILVER Premier 353 *	70.0	23	0.01	MS/HA
SPARKLE SILVER Premier 354	70.0	24	0.01	MS/HA
SPARKLE SILVER Premier 132-AR	78.0	24	0.10	MS/HA
SPARKLE SILVER Premier 055	80.0	34	0.10	MS/HA
SPARKLE SILVER ULTRA 7908	70.0	7	0.01	MS/HA
SPARKLE SILVER ULTRA 7807	73.0	9	0.01	MS/HA
SPARKLE SILVER ULTRA 6704	77.0	11	0.01	MS/HA
SPARKLE SILVER ULTRA 6756	72.0	12	0.01	MS/HA
SPARKLE SILVER ULTRA 6605	80.0	15	0.01	MS/HA
SPARKLE SILVER ULTRA 6555	75.0	17	0.01	MS/HA
SPARKLE SILVER Elite 008	70.0	8	0.01	MS/HA
SPARKLE SILVER Elite 010	72.0	10	0.01	MS/HA
SPARKLE SILVER Elite 012	72.0	12	0.01	MS/HA
SPARKLE SILVER Elite 014	72.0	14	0.01	MS/HA
SPARKLE SILVER X-treme 15	72.0	15	0.01	MS/HA
SPARKLE SILVER X-treme 17	72.0	17	0.01	MS/HA
SPARKLE SILVER X-treme 19	72.0	19	0.10	MS/HA
SPARKLE SILVER X-treme 20	72.0	20	0.10	MS/HA

Abbreviations: HA (High Aromatic); MS (Mineral Spirits) * Produced Globally

SILVER STAR – Designed to meet the high demands of our automotive coatings customers. The pigment's advanced silver dollar technology yields exceptional brilliance, expansive metal travel and very smooth patina. SILVER STAR offers excellent performance in OEM finishes in automotive interior coatings, wheels, parts and accessory coatings.

SPARKLE SILVER Premier – Engineered to have more uniform surfaces, rounder edges and tightly controlled particle size distributions. This unique silver dollar technology gives designers the possibility to create whiter, brighter and cleaner silver and polychromatic colors.

SPARKLE SILVER ULTRA – Very bright, lenticular pigments offering an exceptionally smooth patina and narrow particle size distribution. This allows the formulator to create very smooth, brilliant masstones, or clean, vibrant colors. This grade is designed for the stylist to raise the bar in metallic effects and creativity.

SPARKLE SILVER Elite – Finer, brighter metallic effects offering excellent face brightness with a deep flop and high gloss. Used to create brilliant, high-gloss masstone silver colors or clean and vibrant tints

SPARKLE SILVER X-treme – Allows for clean tint bases that boost chromatic effect. These pigments employ Silberline's advanced silver dollar technology that yields exceptional color and brilliance. It generates richness in metallic reflection across a wide range of viewing angles and offers excellent performance in automotive OEM finishes. It is ideal for use in refinishing, wheel coatings, parts and accessories.

PRODUCTS + SPECIFICATIONS

Liquid Metal Aluminum Paste for Solventborne Coatings

Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier
SPARKLE SILVER ULTRA				
SPARKLE SILVER ULTRA Liquid Metal 011	65.0	11	0.01	MS/HA
SPARKLE SILVER ULTRA Liquid Metal 018	60.0	18	0.01	MS/HA
SPARKLE SILVER ULTRA Liquid Metal 020	65.0	20	0.01	MS/HA
SPARKLE SILVER Elite Liquid Metal 011	70.0	11	0.01	MS/HA
SPARKLE SILVER Elite Liquid Metal 015	65.0	15	0.01	MS/HA

Abbreviations: HA (High Aromatic); MS (Mineral Spirits)

SPARKLE SILVER ULTRA Liquid Metal – Producing a brilliant sheen with no visible particles. These pigments provide the appearance of pure metals such as brushed aluminum, polished steel or anodized aluminum. Delivering a powerful one-two punch—the look and appearance of vacuum metalized flake with the application benefits of conventional aluminum pastes. These pigments also offer a bright, highly-polished reflective surface with little or no grain, narrow particle size distribution and smooth patina. They are ideal for automotive interiors, wheel coatings, trim and accessories, and specialty applications.

SPARKLE SILVER Elite Liquid Metal – The flakes of the Elite Liquid Metal series are brighter, providing significantly more hiding than the SPARKLE SILVER ULTRA Liquid Metal series. These fine silver dollar milled aluminum flakes with a highly polished surface can be formulated for use within a multitude of coatings ranging from automotive OEM, refinish, interior, wheel coatings, 3C and general industrial.

SILBERCOTE Resin Treated Aluminum Paste

Family	Percentage Non-volatile by Weight	D (50%) Microns	Solvent Carrier	Surface Treatment
Y Series				
SILBERCOTE 516-20Y	55.0	14	MS/HA	Acrylic Polymer
SILBERCOTE 5245-20Y	50.0	21	MS/HA	Acrylic Polymer
Z Series				
SILBERCOTE 7908-10Z	55.0	8	MS/HA	Acrylic Polymer
SILBERCOTE 303-20Z	55.0	20	MS/HA	Acrylic Polymer
SILBERCOTE 132-10Z	60.0	24	MS/HA	Acrylic Polymer
SILBERCOTE 3641-10Z	61.0	31	MS/HA	Acrylic Polymer
SILBERCOTE Ultra 011LM-20Z	50.0	11	MS/HA	Acrylic Polymer
SILBERCOTE Ultra 020LM-20Z	50.0	20	MS/HA	Acrylic Polymer

Abbreviations: HA (High Aromatic); MS (Mineral Spirits)

SILBERCOTE Y and Z – Resin treated pigments have been created to provide non-leaching aluminum pigments with improved resistance to acids and alkalis, making them suited for automotive interior coatings and parts. The coating on the very bright pigments makes them less conductive. The surface treatment also improves the spray characteristics.



PRODUCTS + SPECIFICATIONS

Degradation Resistant Aluminum Paste for Solventborne Coatings				
Family	Percentage Non-volatile by Weight	D (50%) Microns	Maximum Percentage Retained 325 Mesh	Solvent Carrier
TUFFLAKE				
TUFFLAKE 5950	70.0	11	0.01	MS/HA
TUFFLAKE 4700	70.0	13	0.01	MS/HA
TUFFLAKE 4615	70.0	15	0.01	MS/HA
TUFFLAKE 3650	78.0	15	0.01	MS/HA
TUFFLAKE 3700	76.0	15	0.01	MS/HA
TUFFLAKE 3645	78.0	16	0.01	MS/HA
TUFFLAKE 3120-AR	78.0	17	0.01	MS/HA
TUFFLAKE 3620	78.0	18	0.01	MS/HA
TUFFLAKE 2222-AR	82.0	35	0.10	MS/HA
TUFFLAKE Premier				
TUFFLAKE Premier 010	70.0	10	0.01	MS/HA
TUFFLAKE Premier 125	72.0	12	0.01	MS/HA
TUFFLAKE Premier 018	78.0	18	0.01	MS/HA
TUFFLAKE Premier 024	78.0	24	0.10	MS/HA

Abbreviations: HA (High Aromatic); MS (Mineral Spirits)

TUFFLAKE – Degradation resistant pigments developed to be compatible with newer paint application systems. Very high shear can be experienced during application which can lead to a color shift due to breaking and deforming of individual aluminum flakes. Our TUFFLAKE line of circulation resistant pigments is specifically engineered to withstand these mechanical forces and maintain their targeted appearance.



PRODUCTS + SPECIFICATIONS

ALUMINUM PIGMENTS FOR POWDER COATINGS

The following product families are designed to provide value to the powder coatings manufacturer based on performance in the finished powder coating. The products provide compatibility across a full range of powder coating types and support the demands of virtually any application.

Dedusted Flake (DF) Series				
Family	Percentage Non-volatile by Weight	D (50%) Microns	Surface Treatment	Application
DF SERIES				
DF-554	99.6	16	N/A	Bonding
DF L-520AR	99.6	20	N/A	Bonding
SILVET Series				
Family	Percentage Non-volatile by Weight	D (50%) Microns	Carrier	Application
SILVET LEAFING				
SILVET 210-20-J *	99.0	15	Aldehyde	Extrusion
SPARKLE SILVET NON-LEAFING				
SPARKLE SILVET 790-20-P	98.5	45	Acrylic	Extrusion
SPARKLE SILVET 960-20-J	99.0	14	Aldehyde	Extrusion
SPARKLE SILVET 880-20-J	99.0	28	Aldehyde	Extrusion
SPARKLE SILVET 790-20-J	99.0	45	Aldehyde	Extrusion
SPARKLE SILVET 960-25-E	98.5	14	Polyolefin	Extrusion
SPARKLE SILVET 960-30-E1 *	98.5	14	Polyolefin	Extrusion
SPARKLE SILVET 880-20-E	98.5	28	Polyolefin	Extrusion
SPARKLE SILVET 790-20-E	98.5	35	Polyolefin	Extrusion
SPARKLE SILVET 790-30-E1 *	98.5	44	Polyolefin	Extrusion

* Produced Globally

SILVET – Dry, non-dusting granular form for ease of handling and dispersion when added to powder coatings by the extrusion method. The SILVET granules are available in a wide range of particle sizes, in leafing and non-leafing types and with either synthetic aldehyde, acrylic or polyolefin carrier resins. The product can be applied by electrostatic or tribo application. Care must be taken during extrusion and micronizing stages to avoid damage to the aluminum particles which can reduce brightness and sparkle.



PRODUCTS + SPECIFICATIONS

Vacuum Metalized Pigments

Family	Percentage Non-volatile by Weight	D (50%) Microns	Solvent Carrier*	Passivation
STARBRITE				
STARBRITE 6108-EAC	10.0	8	EAC	-
STARBRITE 2180-EAC	18.0	10	EAC	-
STARBRITE 4102-EAC	10.0	12	EAC	-
STARBRITE 5102-EAC	10.0	12	EAC	-
STARBRITE Reveal				
STARBRITE Reveal 4102-EAC	10.0	12	EAC	-
STARBRITE Reveal AQ 4172-PA	17.0	12	IA	PHS/SF
STARBRITE Reveal AQ 4172-PM	17.0	12	GE/PM	PHS/SF

Abbreviations: EAC (Ethyl Acetate); GE (Glycol Ether); IA (Isopropyl Alcohol); PHS (Phosphate); SF (Surfactant); PM (1-Methoxy – 2-Propanol)

* Other carrier solvents are available.

STARBRITE – Unique characteristics enable the formulator to achieve a smooth, mirror-like metallic effect with a highly-reflective, brilliant finish due to its exceptionally high surface area and aspect ratio. These products are supplied as 10% dispersion in ethyl acetate solvent, with certain other solvents available upon special request. STARBRITE Reveal offers broader compatibility and a greener manufacturing process.

STARBRITE Reveal AQ – Allows for mirror-like waterborne coatings to be produced. Good stability and compatibility are possible.



PRODUCTS + SPECIFICATIONS

Aluminum Pigments for Powder Coatings				
Family	Percentage Non-volatile by Weight	D (50%) Microns	Surface Treatment	Application
SILBERCOTE PC				
SILBERCOTE PC E-3087	99.0	13	Silica	Dry blend/Bonding
SILBERCOTE PC-8153X	99.0	15	Silica	Dry blend/Bonding
SILBERCOTE PC-8602X	99.0	16	Silica	Dry blend/Bonding
SILBERCOTE PC-6222X	99.0	20	Silica	Dry blend/Bonding
SILBERCOTE PC-6792X	99.0	26	Silica	Dry blend/Bonding
SILBERCOTE PC-4852X	99.0	33	Silica	Dry blend/Bonding
SILBERCOTE PC-3331X	99.0	36	Silica	Dry blend/Bonding
SILBERCOTE PC-3101X	99.0	37	Silica	Dry blend/Bonding
SILBERCOTE PC-1291X	99.0	47	Silica	Dry blend/Bonding
SILBERCOTE PC-4361X	99.0	33	Silica	Dry blend/Bonding
SILBERCOTE PC-1341X	99.0	47	Silica	Dry blend/Bonding
SILBERCOTE PC-010XS	99.0	10	Advanced Silica	Dry blend/Bonding
SILBERCOTE PC-014XS	99.0	14	Advanced Silica	Dry blend/Bonding
SILBERCOTE PC-020XS	99.0	20	Advanced Silica	Dry blend/Bonding
SILBERCOTE PC-036XS	99.0	36	Advanced Silica	Dry blend/Bonding
SILBERCOTE PC-055XS	99.0	55	Advanced Silica	Dry blend/Bonding

SILBERCOTE Powder Coating X – High-performance, free-flowing aluminum pigment powder designed for electrostatic spray application. The individual aluminium flakes are coated with a uniform layer of silica which protects the aluminium particle from moisture and chemical degradation. These products are suitable for dry blending or bonding methods.

SILBERCOTE Powder Coating XS – Treated with an advanced proprietary silica surface encapsulation for use in demanding applications. The advanced treatment provides the highest degree of surface protection to the aluminium providing stability to harsh chemical environments such as alkali, acid, humidity, mortar, etc. These products are provided in the form of a free-flowing powder and are suitable for either dry blending or bonding methods.



PRODUCTS + SPECIFICATIONS

Acrylic Coated Powder Coating Series				
Family	Percentage Non-volatile by Weight	D (50%) Microns	Surface Treatment	Application
SILBERCOTE PC				
SILBERCOTE PC7166Z	98.5	17	Acrylic	Dry blend/Bonding
SILBERCOTE PC1303Z	99.0	46	Acrylic	Dry blend/Bonding

SILBERCOTE PCZ – Based on a proprietary polymer encapsulation technology, these products provide an alternative to silica encapsulated grades. They exhibit a better electrostatic response than inorganic treatments.



No matter where you are,
we've got you covered.

SILBERLINE[™]
FROM SCIENCE TO SHINE[™]

Silberline customer service centers around the globe are ready to assist you with product samples, literature requests, technical assistance and more. From concept to commercialization and all stages in between, we are at your service with prompt, proven performance.

For technical assistance, email us at: technology@silberline.com or call us at 570-668-6050 or 877-492-7881 (toll-free in U.S. and Canada). For assistance in selecting the Silberline products to meet your needs or to request product literature, contact your local Silberline representative.

North America

Silberline Global Headquarters

130 Lincoln Drive
Tamaqua, PA 18252
USA
Phone: 570-668-6050
Toll-Free (USA & Canada): 800-348-4824
Fax: 570-668-0197
E-Mail: order@silberline.com

Ernest Scheller III Center for Technical Functions and Advanced Manufacturing

36 Progress Avenue
Tamaqua, PA 18252
USA
Phone: 570-668-2773
Toll-Free (USA & Canada): 877-492-7881
Fax: 570-668-4227
E-Mail: technical@silberline.com

Silberline Sales Office – Mexico

Silberline Pigmentos, SRL de CV
Blvd. Atlixcayotl Torre Bosques II
#5320-200
Reserva Territorial Atlixcayotl
San Andres Cholula
Puebla – CP 72810
Mexico
Phone: 52-222-2252774

Asia Pacific

Silberline Asia Pacific Pte. Ltd.

50 Science Park Road
#04-01/02 The Kendall
Singapore Science Park II
Singapore 117406
Phone: 65-6411-0170
Fax: 65-6779-0080
E-Mail: sapmkt@silberline.com

Silberline Pigment (Suzhou) Co., Ltd.

Room 1808, Building 6 (Building C)
Suzhou Center, SIP Suzhou
Jiangsu, China 215021
Phone: 86-512-67333150
Fax: 86-512-62723540

Silberline Yasida Pigments (Jinan) Co., Ltd.

CaoFan Town
Zhangqiu, Shandong Province
China 250221
Phone: 86-531-8887-0325
Fax: 86-531-8376-0199

Silberline Specialty Effect Pigments India Private Limited

Level 8, Vibgyor Towers, C-62, Block G
Bandra Kurla Complex
Mumbai, 400098
Maharashtra, India
Phone: +91 9892636660

South America

Silberline Brasil Limitada

Rue Dr. Tirso Martins, 100, Cj. 701
Vila Mariana
Sao Paulo – Cep. 04120-050
Brazil
Phone: 55-11-3562-2780
Fax: 55-11-3562-2783

Europe/Africa

Silberline Limited

Banbeath Road
Leven, Fife
Scotland KY8 5HD
Phone: 44-1-333-424734
Fax: 44-1-333-421369
E-Mail: euinfo@silberline.com

© 2019 Silberline. All Rights Reserved. The Silberline "S" Logo, Silberline®, The Architects of Light®, and all products denoted with an ® or TM are trademarks or registered trademarks of Silberline Manufacturing Co., Inc., and/or its affiliates.

All statements, information and data presented herein are believed to be accurate and reliable but are not to be taken as a guarantee, express warranty or implied warranty of merchantability or fitness for a particular purpose or use, all of which are hereby disclaimed, or as a representation, express or implied, for which Silberline assumes legal responsibility, and they are offered solely for your consideration, investigation and verification. Individual product information and material safety data sheets are available from Silberline upon request and must be referred to because of potential serious hazards associated with the use of these products. Assistance in grade selection can be obtained through your local Silberline representative. For product formulations and assistance, contact Silberline's Technical Service/Product Applications Department. Silberline makes no guarantee, warranty or implied warranty of merchantability or fitness for a particular purpose or use regarding the mixture of the products referred to herein with other ingredients, whether or not performed in accordance with guidelines established by Silberline, all of which are hereby disclaimed.

Please contact the Silberline location in your region to request product samples or additional information including regulatory compliance.

silberline.com