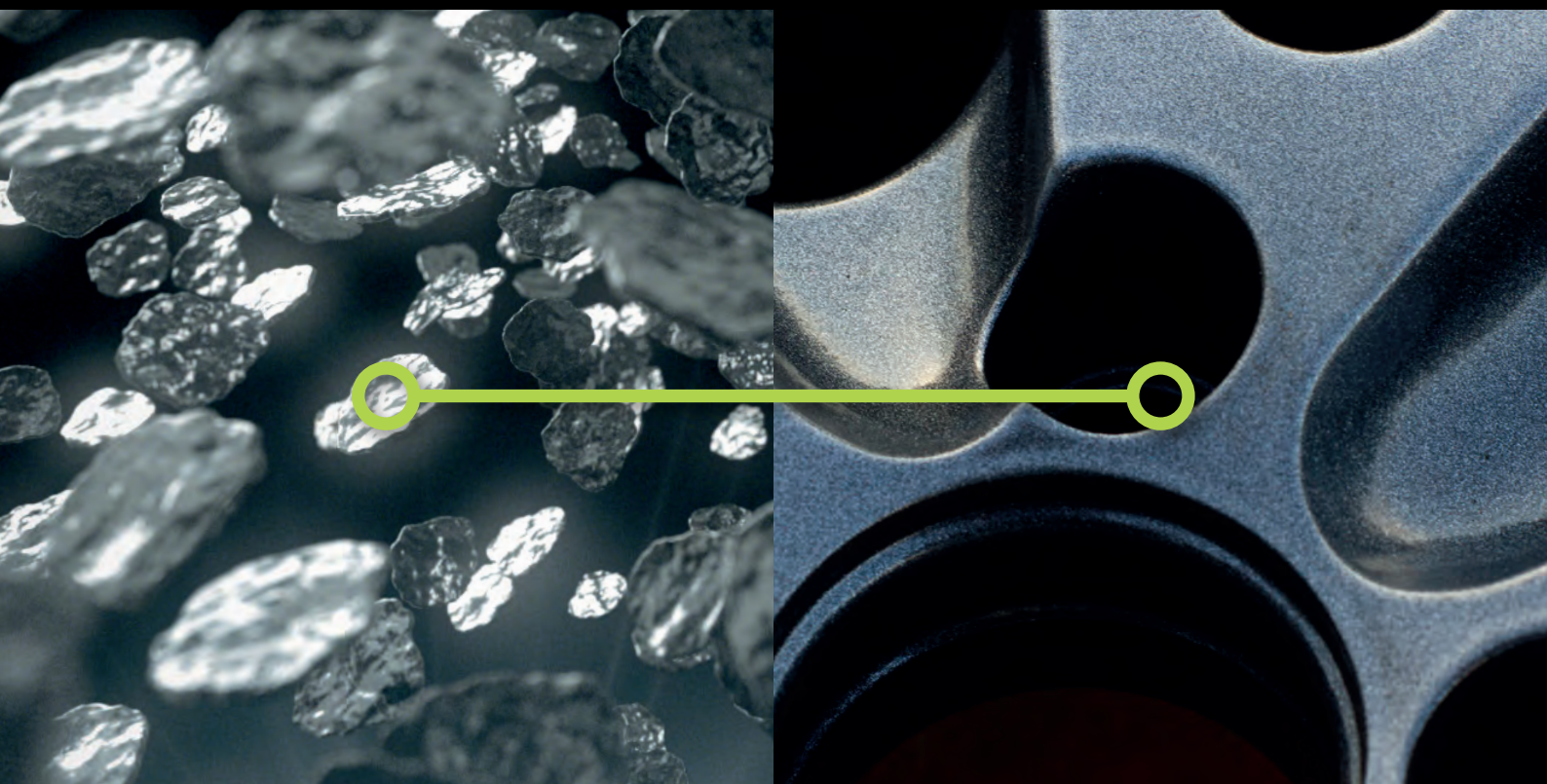


SILBERLINE®

FROM SCIENCE TO SHINE®

POWDER COATINGS

Product Data and Selection Guide: Europe

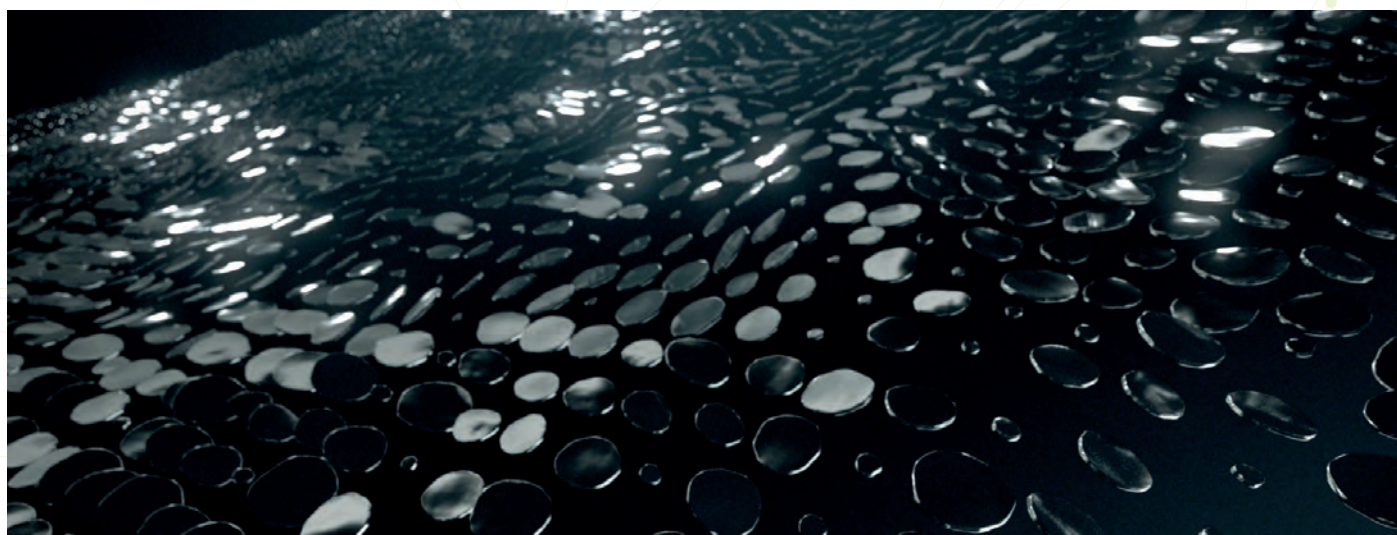


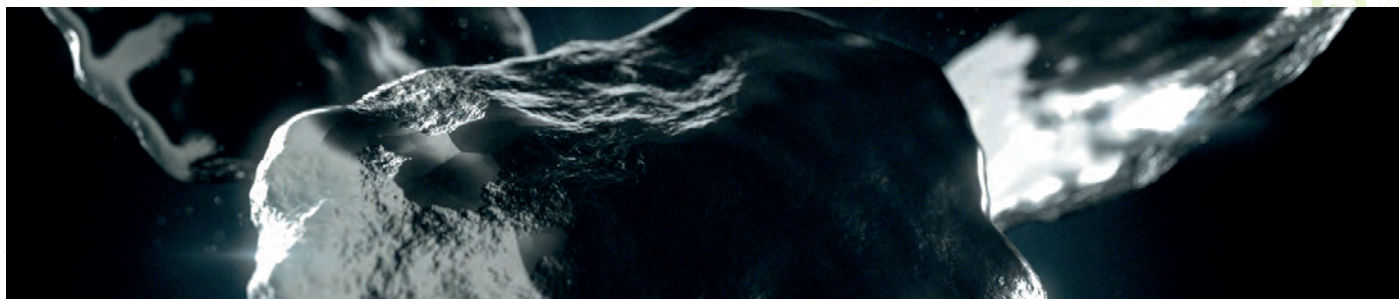
Silberline places a heavy emphasis on the development of metallic effects for use in more environmentally friendly powder coatings.

Using Silberline metallic effects in powder coatings gives them a luster and brilliance that truly sets them apart from finishes produced by standard pigments. Aluminium effects for powder coatings are available as non-leaving pigments, and in a variety of particle sizes that result in a range of shades and effects.



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





SILBERCOTE® PCXS GRADES

These products represent a generation of increased chemical resistant aluminium pigments for use in powder coatings. These products offer excellent chemical resistance to standard encapsulated grades (Silbercote PCX). They perform very well in all dry blending and bonding applications.

Family	Particle Size D50 (µm) Approx	Flake	Surface Treatment	Chemical Resistance	Suitable Application
SILBERCOTE PCXS					
SBC PC020XS	20	CF	Advanced Sol-Gel Silica	+++	Dry Blend/Bonding
SBC PC014XS	14	CF	Advanced Sol-Gel Silica	+++	Dry Blend/Bonding

CF = Corn Flake, SD = Silver

Rating: ++++ = Superior, +++ = Excellent, ++ = Very Good, + = Good, 0 = Fair

SILBERCOTE® PCX GRADES

Aluminium pigments encapsulated with an inorganic treatment and available in a wide range of particle sizes. These products work very well in all dry blending and bonding applications to produce a variety of bright metallic effects and functionality.

Family	Particle Size D50 (µm) Approx	Flake	Surface Treatment	Chemical Resistance	Suitable Application
SILBERCOTE PCX					
SBC PC1291X	47	CF	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC3101X	36	CF	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC3331X	36	SD	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC4852X	33	SD	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC6792X	25	SD	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC6222X	20	CF	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC8602X	16	SD	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PC8153X	14	CF	Sol-Gel Silica	++	Dry Blend/Bonding
SBC PCE3087	13	CF	Sol-Gel Silica	++	Dry Blend/Bonding

CF = Corn Flake, SD = Silver

Rating: ++++ = Superior, +++ = Excellent, ++ = Very Good, + = Good, 0 = Fair

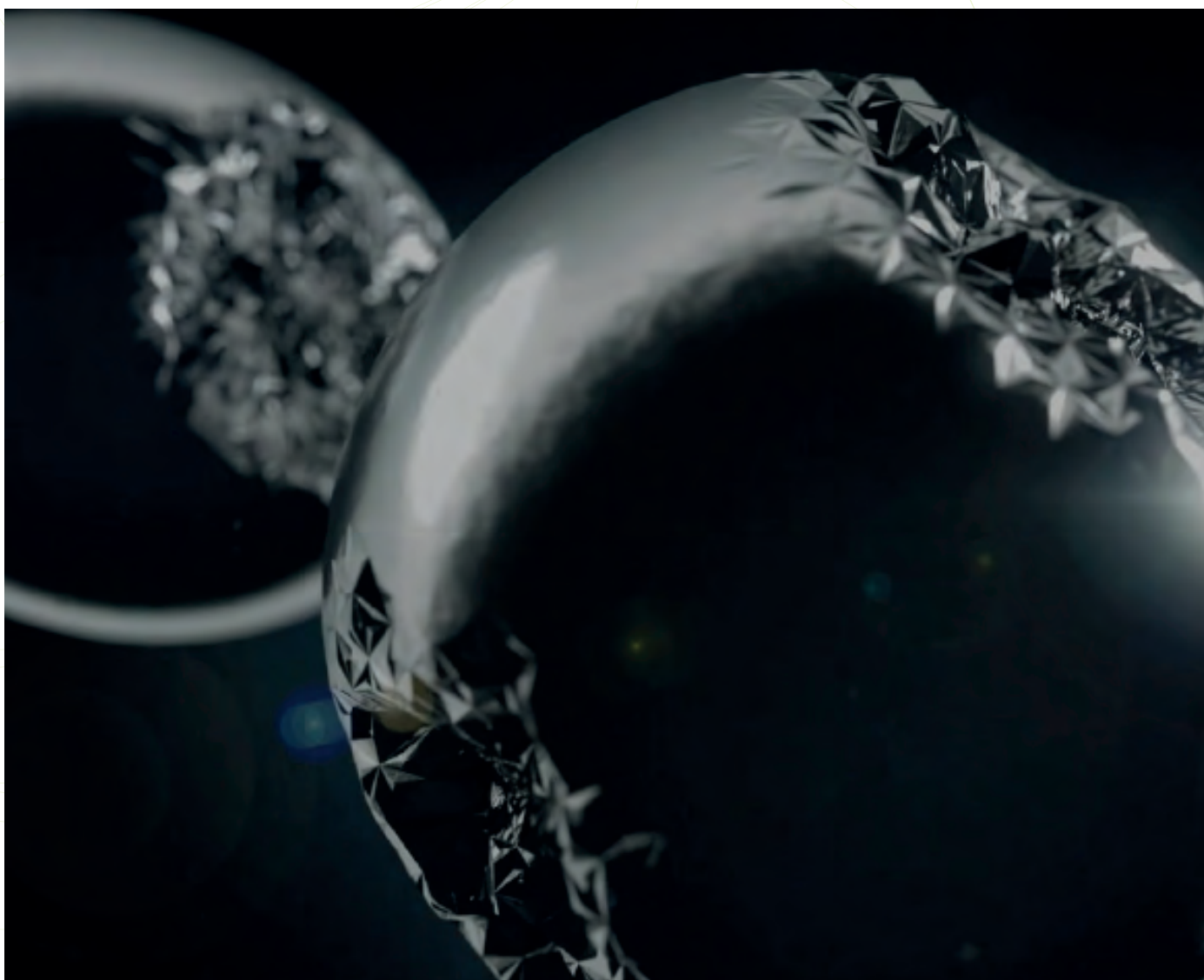
EXTRUDABLE GRADES

These grades are processed in various carriers. They could be blended directly into the raw mix and processed along with the powder coating. They are non-dusting and eliminate the need for the bonding process. The resulting coatings have an excellent electrostatic response and can be used in reclaim systems. SPARKLE SILVET® grades are carried in a polyolefin pellet (E), a polyolefin granule (E1), and aldehyde carrier (J) and an acrylic carrier (P).

The most commonly used products are:

Family	Particle Size	Available Carriers
SPARKLE SILVET		
960 Series	14	E, E1, J, P
880 Series	27	E, J
790 Series	35 & 47	E, E1, J, P
760 Series	55	E, E1

In addition to the products above, we offer a variety of micron sizes and flake geometries to satisfy all the requirements of the powder coatings market.



BONDING AND DRY BLENDING

SILBERCOTE PC Elite, PC Lux, PCXS, PCX and the polymer encapsulated grades are all suitable for use in dry blending and bonding processes. In the powder coating bonding process, the aluminium flake pigment is physically attached to the exterior surface of the powder coating particles by a combination of physical action and heat. The main advantages of the bonding process include:

- No separation of the pigment from the powder
- Excellent recyclability of overspray
- Uniform application, resulting in good coloristic effects

SAFETY AND HANDLING

Products 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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we've got you covered.

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For assistance in selecting the Silberline products to meet your needs or to request product literature, contact your local Silberline representative.

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