

SyMic[®] OEM

Luxan[®] CFX

Silver Effect Pigments for Autonomous Driving.

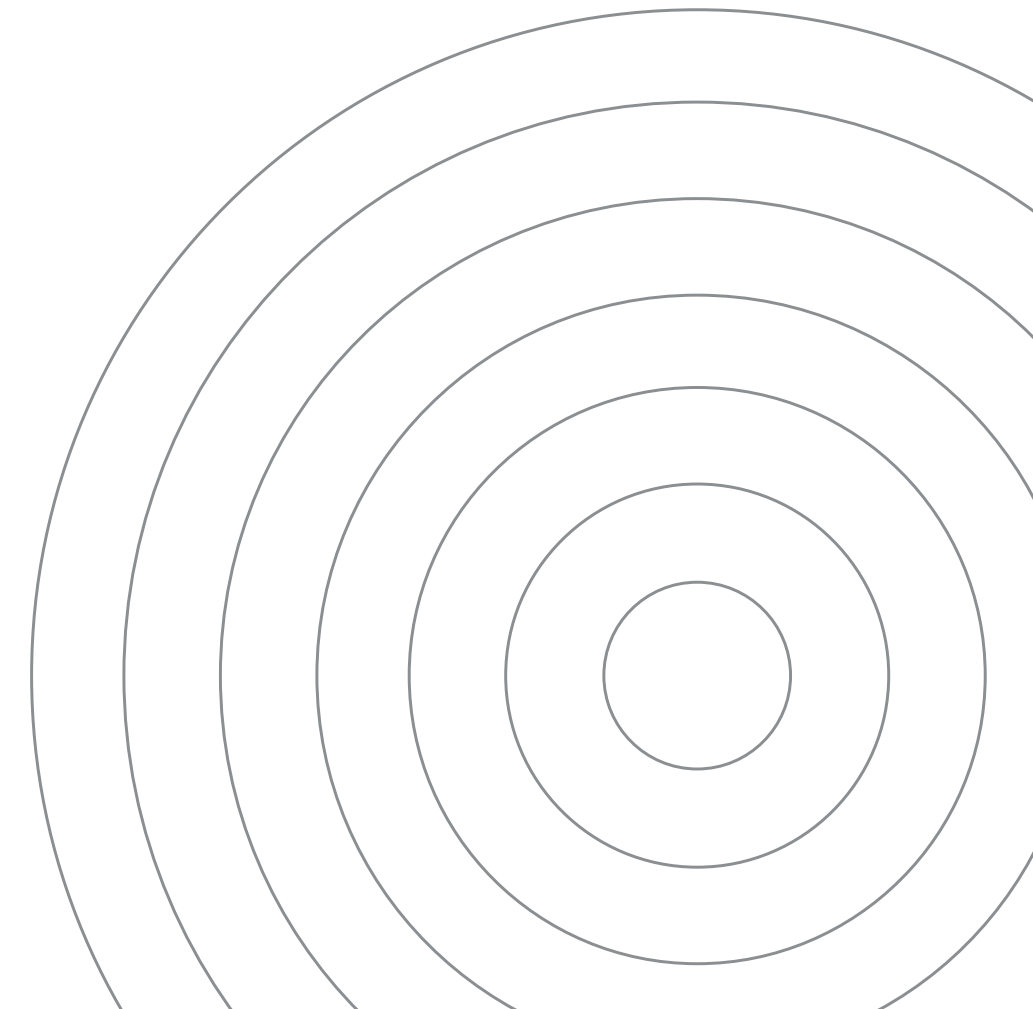


Silver Effect Pigments for Autonomous Driving.

ECKART is the first effect pigment manufacturer worldwide to present a product solution.

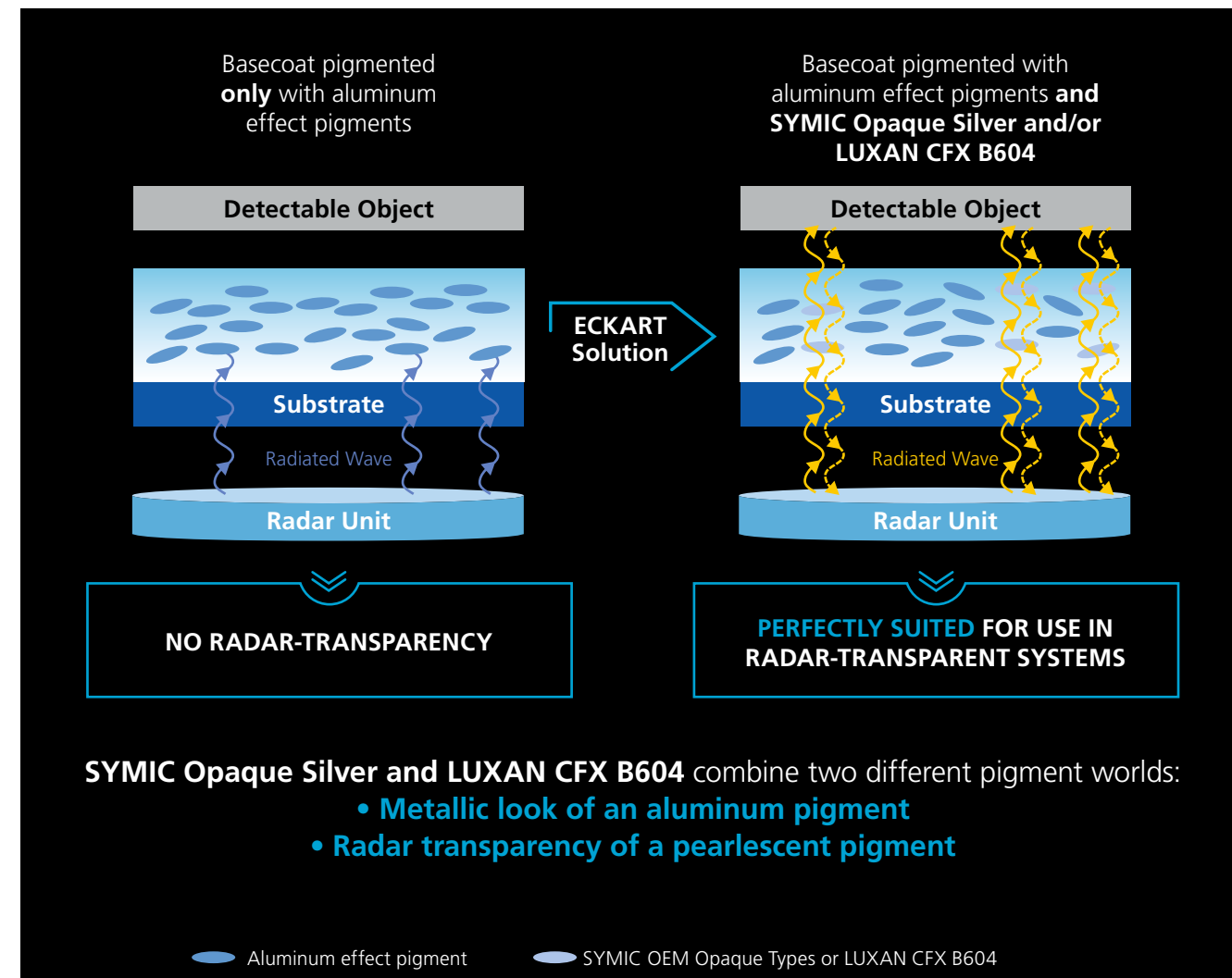
For many vehicle manufacturers, autonomous driving is the mode of transportation of the future. This technology places special demands on the painting of add-on parts and the pigments used for them. Conventional metallic pigments absorb or reflect radar beams and thus damp the radar radiation depending on the pigmentation level. It was therefore long assumed that the established solid silver shades would no longer be feasible for autonomously driven vehicles due to their comparatively high pigmentation with metal pigments.

The combination of selected ECKART metallic pigments with the innovative pigments of SYMIC OEM Opaque Silver and LUXAN CFX B604 Midnight Silver produces highly attractive silver shades with only slight damping.



The ECKART radar transparency solution for silver metallic full tones.

The ECKART solution for metallic effects with slight radar damping is to combine aluminum effect pigments with SYMIC OEM Opaque types and/or LUXAN CFX B604 Midnight Silver. The SYMIC OEM Opaque types as well as LUXAN CFX B604 Midnight Silver function as a radar transparency spacer with metallic optical characteristics between the radar impermeable aluminum pigments.



The coating must be optimized for autonomous driving, taking into account many different factors influencing radar performance.

Influencing factors of ECKART pigments:

- composition
- coating
- shape
- size
- etc.

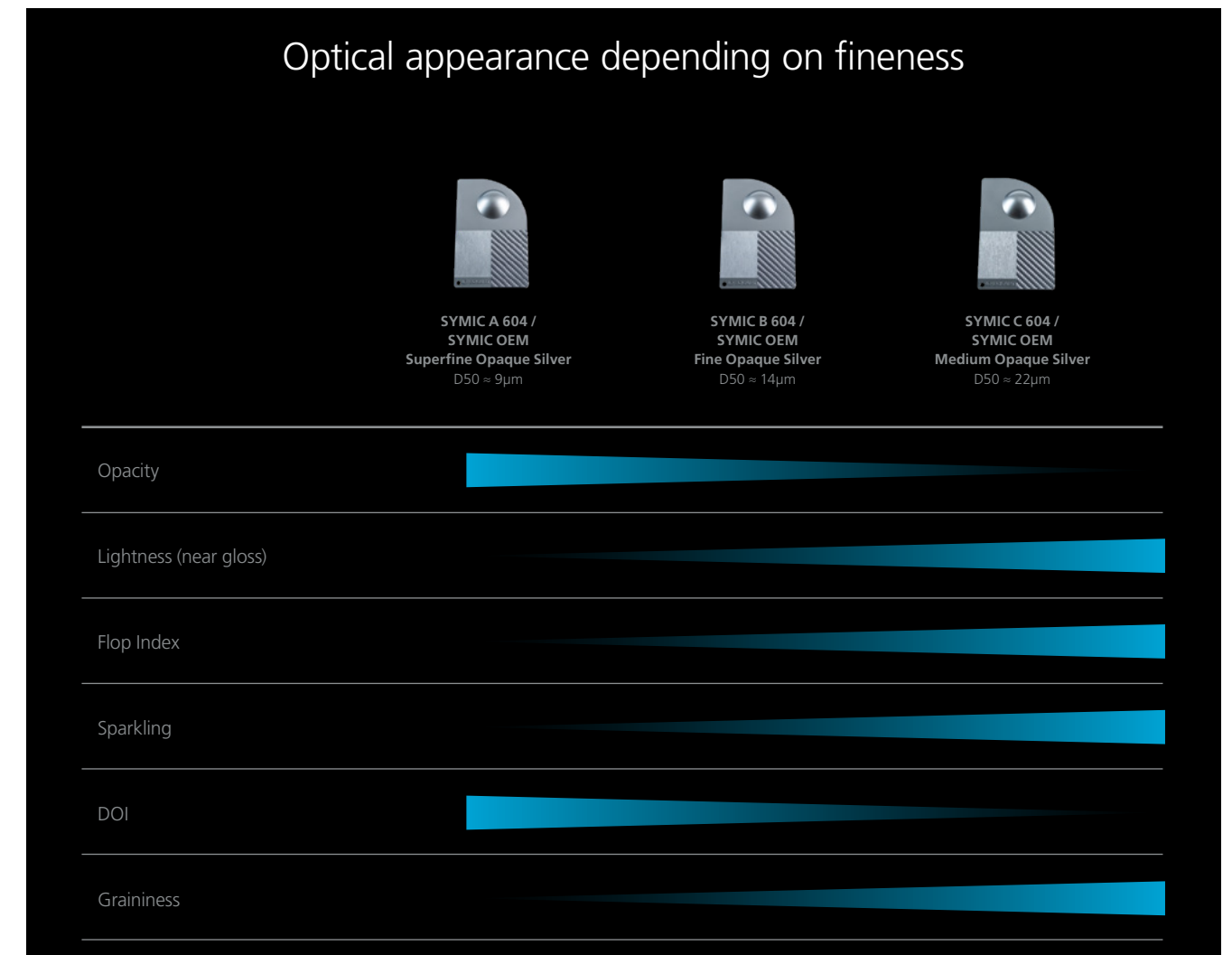
Further examples of influencing factors:

- coating system
- design
- way of application
- formulation
- etc.

SYMIC OEM Opaque Silver

Greatest flexibility for radar-transparent formulations with metallic character.

The **SYMIC OEM Opaque Silver series** with its bright appearance and metallic brilliance opens up extensive design scope for the formulation of radar-transparent metallic effects.



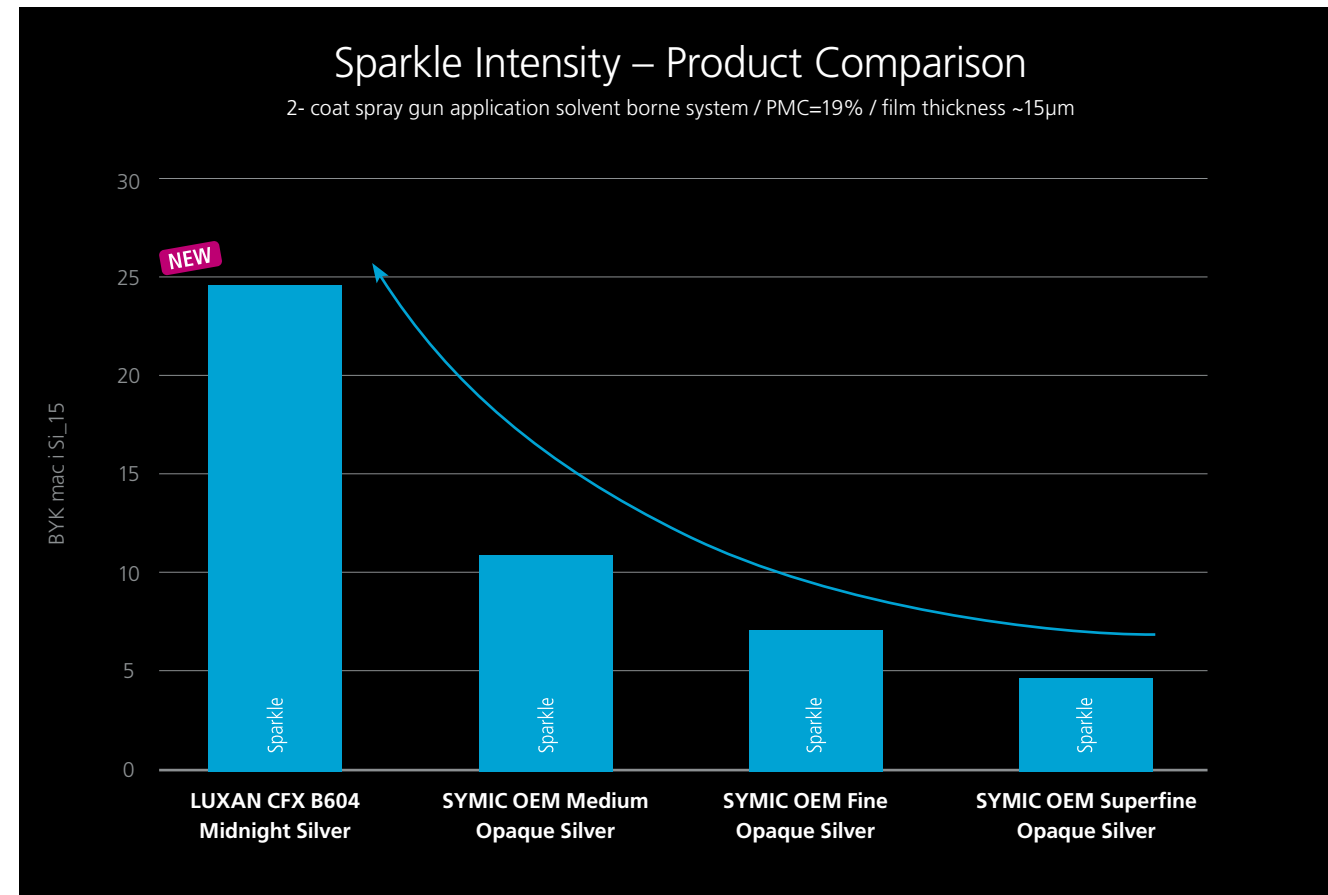
The advantages of SYMIC OEM Opaque Silver at a glance:

- Highly brilliant metallic look with outstanding flop index
- Highest possible flexibility in color design
- Strong coverage
- No EMI shielding
- Excellent chemical and weather stability
- High radar transparency with metallic optical properties

LUXAN CFX B604 Midnight Silver

The Sparkle Booster for Autonomous Driving.

LUXAN CFX B604 Midnight Silver captivates with its mystical silver effect that transitions into a deep, dark-down flop. The interaction of a light source with the ultra-deep sparkle brings the individual shape of your application to life, revealing a mysterious 3D appearance.



The advantages of LUXAN CFX B604 Midnight Silver at a glance:

- “Diving effect”: ultra-deep sparkle leads to 3D appearance in the application
- Metallic grey with strong dark-down flop effect
- Good coverage
- No EMI shielding
- Excellent chemical and weather stability
- High radar transparency with metallic optical properties



Technical Data	Substrate	Particle Size Distribution	Density DIN 66137	Bulk Density EN ISO 60	Article Number
SYMIC OEM					
Superfine Opaque Silver	Artificial Mica	3µm - 15µm	3,1	0,2	027375
Fine Opaque Silver	Artificial Mica	7µm - 25µm	3,1	0,2	020505
Medium Opaque Silver	Artificial Mica	12µm - 38µm	3,1	0,3	035638
LUXAN CFX					
B604 Midnight Silver	Borosilicate Glass	5µm - 45µm	2,8	0,5	027163 NEW

Delivery Form: Powder

Packaging Sizes: 100g (sampling size), 1kg, 5kg, 25kg

We are ready for the future.
Are you?

For more information about our products, visit us at www.eckart.net or send us an e-mail: info.eckart@altana.com



ECKART GmbH
Guentersthal 4
91235 Hartenstein, Germany
Tel +49 9152 77-0
Fax +49 9152 77-7008
info.eckart@altana.com
www.eckart.net

With compliments

ECKART America Corporation
830 East Erie Street
Painesville, Ohio 44077, USA
Tel +1 440 954-7600
Fax +1 440 354-6224
Toll-free: 800 556 1111
info.eckart.america.oh@altana.com
www.eckart.net

ECKART Asia Ltd.
Room 701-3, 7th floor C C Wu Building
302-308 Hennessy Road
Wan Chai, Hong Kong
Tel +852 3102 7200
Fax +852 2882 5366
info.eckart.asia@altana.com
www.eckart.net

0/October2023.2 CO PDF
025962XX001

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided – especially that contained in our safety data and technical information sheets – and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.