



## Novel Silver Metallics for Autonomous Driving

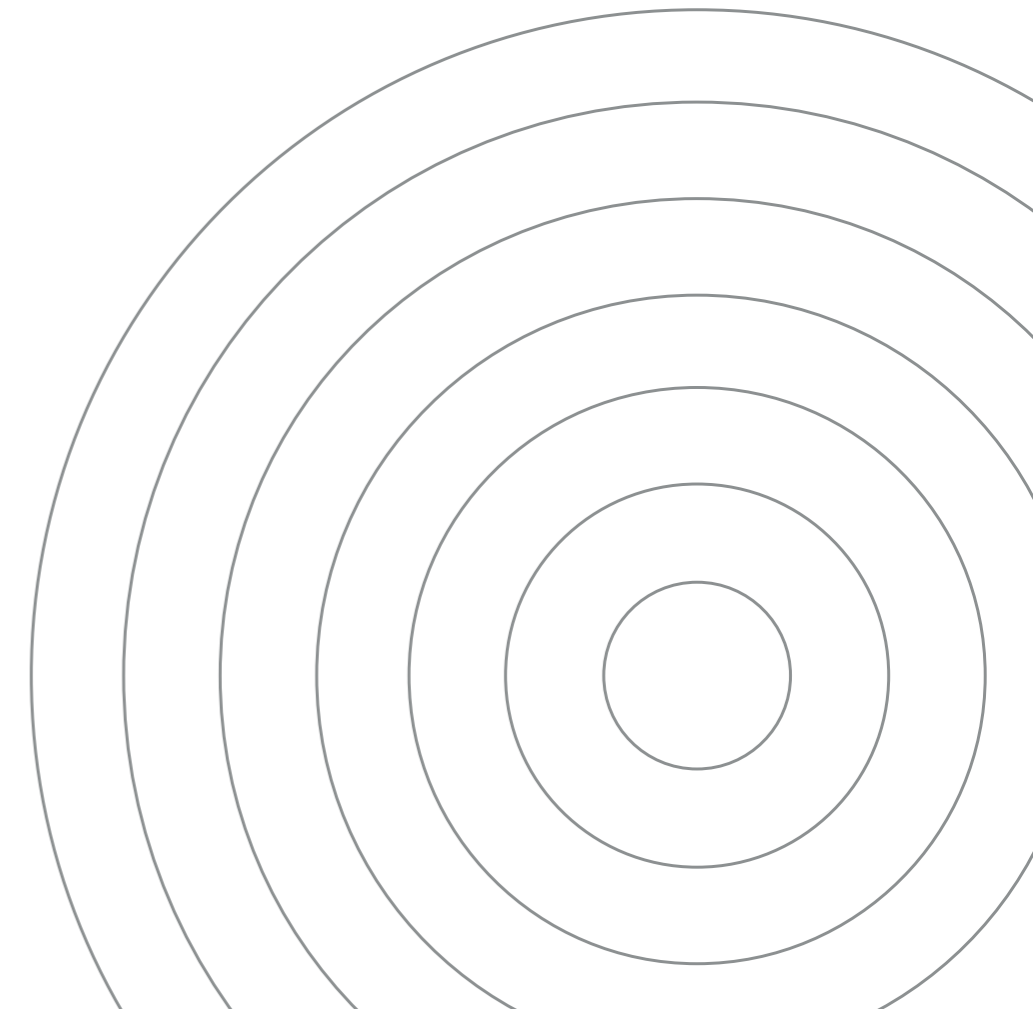


# Novel Silver Metallics for Autonomous Driving

ECKART presents a worldwide unique solution for metallic coatings.

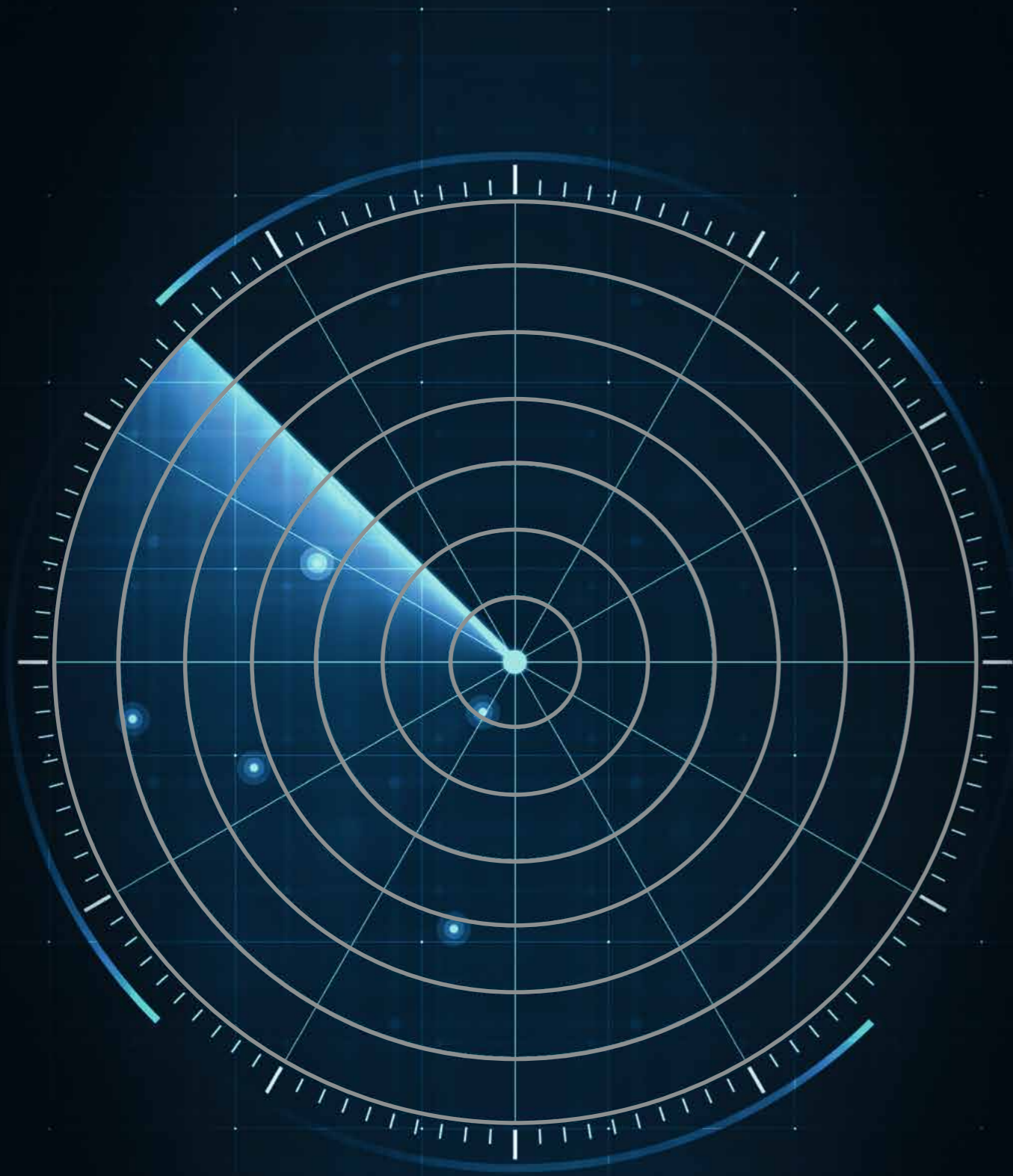
For many vehicle manufacturers, autonomous driving is the mode of transportation of the future. This technology places special demands on the painting of add-on parts and the pigments used for them. Conventional metallic pigments absorb or reflect radar beams and thus damp the radar radiation based on certain pigment concentrations. 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 produces highly attractive silver shades with only slight damping.**



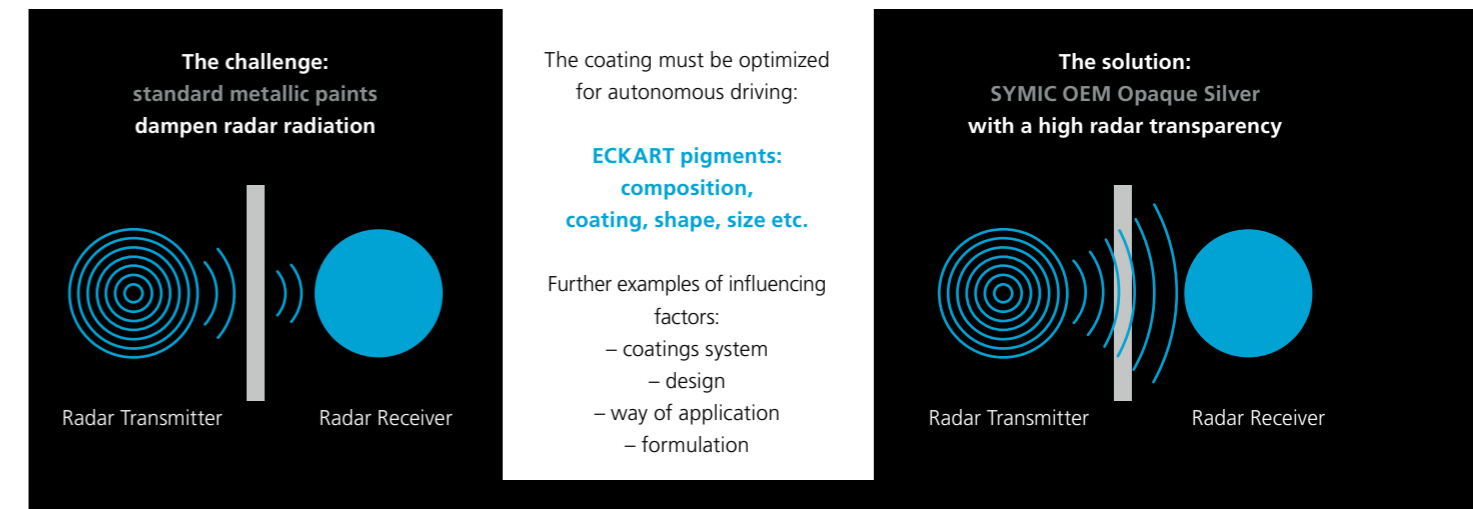
# Ideal Partners for Radar Transparency: SYMIC OEM Opaque Silver

The pearlescent pigments of the SYMIC OEM Opaque Silver series have been specially matched to the requirements of radar transparency and EMI shielding.



**SYMIC OEM Opaque Silver successfully combines two different pigment worlds: The metallic look and flop of an aluminum pigment along with the functional properties and radar transparency of a pearlescent pigment.**

The combination of these two characteristics makes the novel pigments perfectly suited for use in radar-transparent systems. ECKART has already been working for some time on reproducing highly brilliant silver full tones by mixing aluminum pigments with SYMIC OEM Opaque Silver. Take advantage of the unique benefit of obtaining metallic and pearlescent pigments specifically for autonomous driving from ECKART – from a single source. We would be happy to advise you individually on the development of color shades with our effect pigments.



The advantages of SYMIC OEM Opaque Silver at a glance:

- Highly brilliant metallic look with outstanding flop index
- Unique bright and brilliant appearance
- Highest possible flexibility in color design
- Strong hiding power
- No EMI shielding
- High radar transparency
- Excellent chemical stability
- Optimal incorporation in all common coating systems (solvent-, water-based, UV-curing)
- High shear stability
- Excellent weather and humidity resistance
- Excellent intercoat adhesion
- Very narrow particle size distribution
- Long product shelf life of 10 years



# 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.

## SYMIC OEM Opaque Silver

Optical appearance depending on the fineness



## Technical Data

SYMIC OEM	Particle Size Distribution	Article Number
Superfine Opaque Silver	3 µm – 15 µm	027375
Fine Opaque Silver	7 µm – 25 µm	020505
Medium Opaque Silver	12 µm – 38 µm	035638

**SYMIC OEM Opaque Silver** is offered in powder form (1 kg / 5 kg / 25 kg) in three degrees of fineness.

**SYMIC OEM Medium Opaque Silver, SYMIC OEM Fine Opaque Silver and SYMIC OEM Superfine Opaque Silver**



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