RETRO SILVER







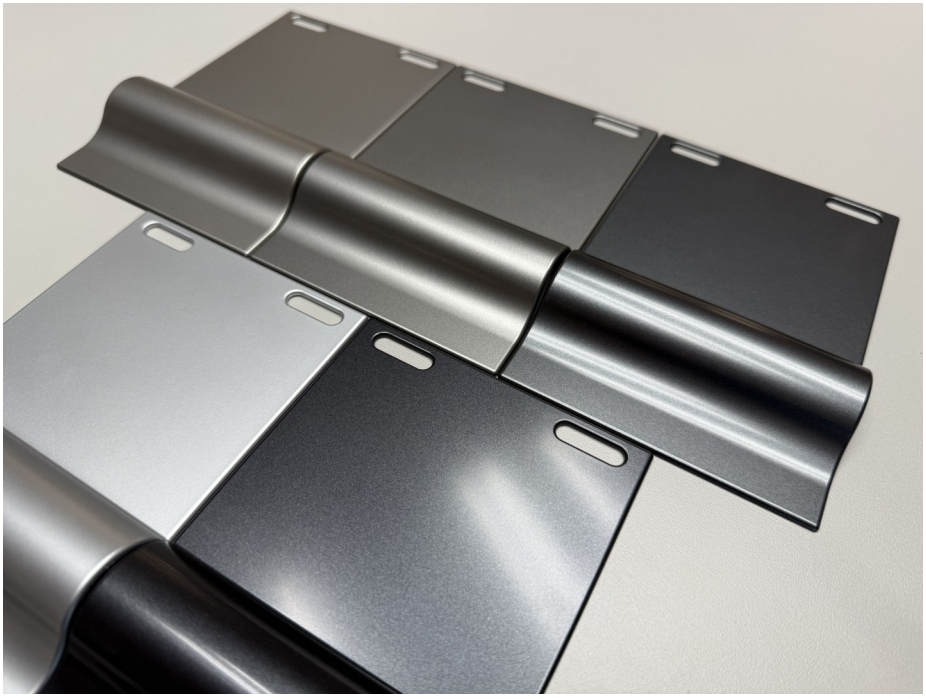
BACK TO RESOURCES

The best resources are not always the new ones, but the ones we rethink intelligently. RETRO SILVER gives materials a new perspective, combining circular economy principles with advanced coating technology. The result is high-quality surface finishes that make responsibility visible and demonstrate how sustainability can already be an integral part of the future of mobility. RETRO SILVER combines the reduced CO_2 footprint of Liquid Chrome, achieved through the use of bio-based raw materials, with an additional reduction in Product Carbon Footprint through the incorporation of recycled pigments. This helps keep valuable resources in circulation while further minimizing environmental impact. The outcome is an innovative coating solution that brings together sustainability and performance, proving that premium design and responsible resource management can go hand in hand.

The bio-based content leads to a reduction in CO2 equivalents of approx. 105g per kg of paint. Raw aluminum generates approx. 10kg of CO2 equivalents per kg of aluminum during production. By using recycled aluminum, approx. 95% of the energy quantity can be saved. Depending on the amount of aluminum pigment used, several 100g of CO2 equivalents are saved per kg of paint.

Product		Content of renewable raw materials / %						CO_2Eq. / kg CO_2 by kg product	
		Coating		Coating + fossil hardener		Coating + ECO-hardener			
	Name	liquid	solid	liquid	solid	liquid	solid	CCF	PCF
PEHACRYL 2C Chrome-1	Tinted Silver	1,6	12,2	0,6	9,1	1,9	22,6	0,8	7,4
PEHACRYL 2C Chrome-1	Retro Silver	1,4	10,4	0,7	7,8	2,2	20,9	0,8	6,9
		Similar proportions of bio-based carbon						CO2 savings approx. 7 %	

The current standard already achieves an approximately 7% reduction in the Product Carbon Footprint (PCF).



FROM THE LITERATURE

approx. 10 kg CO2e per kg of raw aluminum
approx. 16.5 kg CO2e per kg of consumable Al;
Recycled Al, requires only approx. 5% of the energy required for primary

Disclaimer:

The values show the CO2 equivalents in kg CO2 / kg product from gate-to-gate (PETER/LACKE receipt to customer receipt).
Scope 1, 2 and 3 of the Greenhouse Gas Protocol (GHG Protocol) are taken into account, including the quantities for the raw materials (=PCF) and furthermore **excluding the quantities for the raw materials (=CCF).** Standard values from common databases were determined, from which the CO2e of the raw materials and thus of the products can be better estimated. In addition, adjustment factors were applied in the calculation to take into account the differences in the production processes of the individual products. The values provided have been assessed based on existing data and may be adjusted as more data on the supply chain becomes available.