

High Tech to the last cell

- excellent insulation with one layer
- high process stability
- Protection against water ingress by very good adhesion to the substrate
- Recyclability by 100% systems

Everything from one hand

Woerwag offers a wide product portfolio around battery cans. We offer you the best coating application: from liquid coatings to powder coatings to individual repair possibilities. Our coating solutions are optimized for the requirements of E-mobility. They provide battery housings, battery covers, cell modules and the battery management system with excellent resistance to external impacts and ensure a longer service life to all components.

Simply clever and strong: our powder coatings

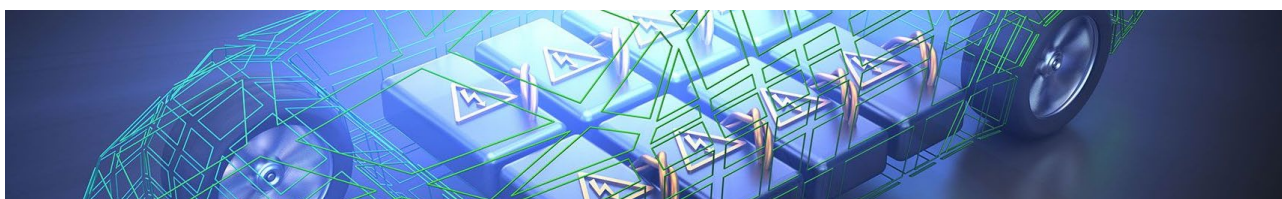
Our label-free solution for strong coating layers is characterized by very good durability and substrate coverage. The high efficiency and sustainability of our powder products also offers you the right coating for every application.

Smooth solutions with our UV-systems

A fast and lean process with short oven cycles and little heat emission generates protective coating layers on metallic surfaces. Even more complex parts get an excellent protection. Good edge coverage and perfect adhesion to the substrate provide the best possible protection and safety.

Smart & easy: our repair system

Any defects after electrical tests are no serious problem for us. Woerwag offers you a fast, flexible and efficient solutions with our repair system. Our self-adhesive stickers are a highly cost-efficient and instant solution for maintaining the functionality of protective and insulating layers. Its individual customizability allows any sizes and shapes.



Technical information on our systems

			
	UV-Coatings	Powder Coatings	Repair System
functional layer thickness	from 65 µm	from 100 µm	175 - 215 µm
chemical resistance ¹ (DIN EN ISO 2812)	ok	ok	ok
constant climate condensation (DIN EN ISO 6270-2)	ok ²	ok ²	ok ²
breakdown voltage ⁴ (ISO 6569-3)	3150 V; 60 sec; <0,1 mA	3150 V; 60 sec; <0,1 mA	3150 V; 60 sec; <0,1 mA
electrical insulation (DIN EN IEC 62631-3-11)	ok before and after conditioning	ok before and after conditioning	ok before and after conditioning
tracking resistance ⁴ (DIN EN 60112)	ok (CTI A 600; Isolationsklasse I)	-- ³	ok (CTI/PTI min. 425; Isolationsklasse II)
thermal conductivity (3-Omega-Method)	0,28 W/mK	-- ³	-- ³
pulsating 3-point bending stress (-20°C/20°C/60°C)	ok	-- ³	-- ³



- 1 ... resistance to commonly used chemicals and operating fluids and liquids
 2 ... tested on degreased aluminium substrate after 500 h
 3 ... not tested yet
 4 ... tested before and after conditioning