



ELECRON LB400 & LB280

WATERBASED PAINT FOR CATHODIC
ELECTRO-DEPOSITION APPLICATION

ABOUT EVERY SECOND TRANSPORT VEHICLE PRODUCED IN JAPAN IS COATED WITH ELECRON. MORE THAN 700 COMMERCIAL E-COAT LINES WORLDWIDE ARE OPERATED WITH ELECRON E-COAT.

TWO PRODUCTS FOR INDUSTRY-SPECIFIC HIGH DEMANDS

Discover a **modern e-coat solution** that can not only reduce your costs, but also **improve the quality of your products**. ELECRON LB280, developed for the automotive sector, and ELECRON LB400, a top-tier industrial coating, could be the innovative solution you are looking for! These **water-based 2K epoxy coatings** were formulated for **cathodic electro-deposition application**. They cure at low temperatures, resulting in reduced energy consumption. Engineered for low-voltage application, pinholes are prevented while providing robust and long-lasting protection as well as an optimal finish.

ELECRON LB280 and ELECRON LB400 are the only products on the market with **excellent resistance against yellowing**. The coating process is robust, easy to control, and delivers significant cost savings, especially for complex components. With the quality of Kansai Paint, we bring **Japanese precision and innovation** to your production. You can increase the efficiency of your production and rely on sustainable solutions at the same time!

ELECRON LB280: E-coat for the automotive industry
This coating provides a flawlessly smooth surface for the automotive sector with a high **dry film thickness (DFT) of up to 45 µm**. The product offers robust and durable protection with a **minimum DFT of 30-35 µm for blasted surfaces**.

ELECRON LB400: Top-class industrial E-coat
This product achieves smooth surfaces with a **DFT of up to 25 µm** for construction and agricultural machinery or lorry trailers. It provides robust protection with an even higher **DFT of up to 55 µm**. By ensuring a sharp edge quality, ELECRON LB400 enables a **minimum DFT of 23-25 µm for most common blasted surfaces** and thus fulfils the highest quality requirements of industrial surfaces.



QUALITY

- ✓ Exceptional resistance to yellowing
- ✓ Excellent corrosion resistance for standard surfaces
- ✓ Smooth appearance
- ✓ High throwing power
- ✓ Increased edge protection



YOUR BENEFITS

- ✓ Wide process window
- ✓ Stable UF operation and simple bath control
- ✓ Compatible with different pre-treatment and top coating technologies
- ✓ Significant cost saving



FOCUS SUSTAINABILITY

- ✓ Low VOC and TOC
- ✓ Low energy consumption
- ✓ Extremely low oven loss
- ✓ No heavy metals (lead and chrome)

APPLICATION AREAS



- HEAVY DUTY**
- Agricultural equipment
 - Construction equipment
 - Industrial equipment, e.g. containers



- TRANSPORTATION**
- Truck trailers
 - Railway vehicles
 - Commercial vehicles and engines



- GENERAL FINISHES**
- Office furniture and fixtures
 - Radiators
 - Transformers
 - White goods

TECHNICAL PROPERTIES

APPLICATION DATA

CHARACTERISTIC	VALUE
Substrate	Cold rolled steel, galvanized steel, aluminium
Recom. / Minimum baking conditions	170°C (20 min) 155°C (20 min)
Environmentally friendly data	VOC-EU: 1.5 – 2.8% No heavy metals (lead, chrome)

CORROSION RESISTANCE PROPERTIES

TEST	STANDARD	DURATION	CORROSION
Salt spray	DIN EN ISO 9227/4628	1000 h	<1,5mm (near cut)
Humidity	DIN EN ISO 6270-2	1000 h	No change on the surface

Pre-treatment: Zn phosphate

CURED PAINT FILM CHARACTERISTICS

PROPERTY	STANDARD	UNIT	VALUE
Colour	/	/	black, grey
Film thickness	DIN EN ISO 2808	µm	10–45
Gloss (60°)	DIN EN ISO 2813	%	30–70
Adhesion	DIN EN ISO 2409	GT	Max. 1
Resistance to Yellowing (160°C/20min + 180°C/15min)	/	ΔE	< 1.5
Corrosion Edge Protection	PV 1210 – TL260 (Ofi-x634)	/	> PASS min. 30 cycles
Impact	DIN EN ISO 6272-1	kg/cm	> 50

Pre-treatment: Zn phosphate



www.kansaihelios-industrialcoatings.com



Visit our YouTube channel!
KANSAI HELIOS Industrial Coating Solutions

Part of 