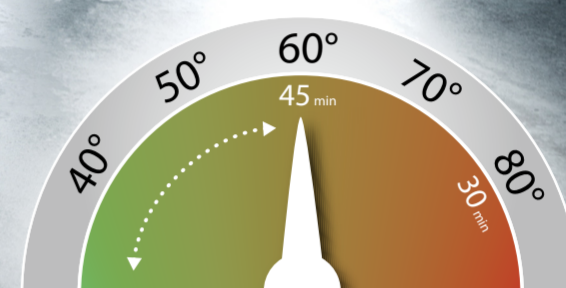


Working on an Electric Vehicle (EV)?



These are things you need to think about...

General Recommendation: drying temperature must stay below 60°C and cannot exceed 45 min. If in doubt, contact the vehicle manufacturer for detailed information.



Before you start:

1. Assessment	Only qualified personnel are permitted to work on HV vehicles.	<ul style="list-style-type: none"> Observe country specific electric vehicle safety regulations (e.g. DGUV 209-93) Observe the specifications of the respective vehicle manufacturer**
2. Classification	Classify as one of the following: <ul style="list-style-type: none"> Electric vehicle HV Fuel cell vehicle Hybrid 	
3. Risk assessment	Check for: <ol style="list-style-type: none"> Evidence of fire Detectable sparks, smoke or steam Noise from battery, e.g. crackling Acrid odour Fluid leaks from or in battery Severe mechanical damage to battery Continuous temperature measurement (<60°C) 	<ul style="list-style-type: none"> Vehicle pre-check measurement technology: Release for repair? Yes/No. Visual inspection: Release for repair? Yes/no.
4. Repair release	Decide: ✓ Vehicle can be repaired without risk ✗ Vehicle cannot be released	<ul style="list-style-type: none"> Send the vehicle to the workshop* Vehicle must be placed in a quarantine area

While spraying:

1. Preliminary work	<ul style="list-style-type: none"> Only qualified personnel should drive the vehicle (e.g. in the workshop) HV system can only be deactivated for the pending repair work by a qualified person 	<ul style="list-style-type: none"> Work on voltage-free bodies (body/mechanics/paint) can now be carried out by qualified personnel 	Observe vehicle manufacturer current specifications for loading, lifting and manoeuvring**
2. Painting/prep	<ul style="list-style-type: none"> Battery temperature: <30°C. Battery charge status: min 45% 	<ul style="list-style-type: none"> Remove ignition key (do not switch on aircon system) Lower the windows to avoid heat build-up 	Observe the specifications of the vehicle manufacturer**
3. Painting/drying	If possible, use Speed-TEC System. Drying temperature must stay below 60°C and cannot exceed 45 min.		
4. Reassembly	Assembly work after painting must be done by qualified personnel. Recommissioning and acceptance only by qualified personnel.		

On completion:

Finishing	Must be done by qualified personnel.	Observe vehicle manufacturer specifications**
Handover to customer	Charging battery and manoeuvring must be done by qualified personnel.	

* Only after instruction by a qualified person ** Vehicle manufacturer specifications must always be up-to-date

All the EV tools you need

For the specialist tools you need, check out our non-paint portfolio. Contact your local sales representative to find out more.

Remember!

- Only qualified personnel may work on EVs
- Only trained personnel (according to local requirements) should de/reactivate high voltage
- Observe country specific electric vehicle safety regulations (e.g. DGUV 209-93)
- Make sure cabin temperature is set correctly – use an I.R. thermometer to check
- Do not exceed baking time and temperature
- Comply with general EV safety rules:
 - Ensure that the vehicle cannot be switched on accidentally
 - Check there is no electrical charge or load
- Wear personal protective equipment (PPE):
 - Insulating gloves DIN 60903 Class 0
 - Face shield IEC 61582-1-2
 - Safety glasses EN 166
 - Safety shoes with electrically insulating soles EN 20345

Find out more at: axalta.eu/e-car-repair



Use the Speed-TEC System – specially designed for low temperature curing
 Save money and energy by choosing Speed-TEC System paints – because they dry fast even at low temperatures. All Spies Hecker basecoats, 2K topcoats and clears are EV compatible.

Speed-TEC System

- Permasolid® Speed-TEC HS Clear Coat 8810
- Permahyd® Hi-TEC Base Coat 480
- Permasolid® Speed-TEC Wet-on-Wet Surfacers 5550
- Permasolid® Speed-TEC Surfacers 5500
- Priomat® Reactive Pretreatment Wipes 4000

Spies Hecker – simply closer.

