

Corrosion Protection Position Statement

JAN-2025

This Lucid Position Statement defines Lucid Motors' requirement for the application of corrosion protection materials as part of a structural repair or replacement of any aluminum or steel part where the original E-coat surface protection has been removed and a bare metal substrate condition has occurred.

Lucid Motors requires corrosion protection materials to be applied for the following reasons:

- Rust and corrosion can weaken the structural integrity of bare metal components, making them less durable over time. This can compromise the vehicle's safety in the case of an accident.
- Corrosion can spread from an unprotected repair site to other parts of the vehicle, leading to costly repairs or component failure in the future.

When a collision occurs, the original E-coat surface protection can be damaged or removed. During the repair processes, exposed bare metal surfaces are vulnerable to rust and corrosion, especially in moist or humid environments. A vehicle that is well-protected from corrosion will better hold its value over time.

Two approved materials that protect the repaired areas from corrosion, ensure that the vehicle will remain in good structural condition for longer, and can perform as designed to protect occupants during a crash are:

1. Epoxy Primer - For application on a bare metal surface that is scheduled to be painted.
2. Cavity Wax - For internal structural repairs on bare metal where epoxy primer cannot be applied.

Lucid Motors requires any bare metal substrate to be protected with an epoxy primer coating or surface coating as described in the chosen paint brand's instructions.

Lucid Motors requires Cavity Wax products to be used when any of the following scenarios occur:

- Structural elements have been replaced on a Lucid vehicle.
- Cosmetic repairs are performed on non-structural panels (as described in Lucid Motors Collision Repair procedures).
- Epoxy primers cannot be applied, such as when a cavity or multiple components are assembled.

When using a non-hardening Cavity Wax product, ensure that it will not chip, peel, or crack. The cavity wax applicator wand must reach at least 30" with a 360° spray pattern.

"Direct to Metal" type seam sealers are not approved as corrosion protection materials.

If seam-sealers have been removed during the repair process then they must be re-applied after the repair has been completed to replicate factory appearance and to stop water intrusion.

Always refer to the material manufacturers' technical instructions (TDS) for surface preparation and product application requirements before applying any products.