

Body Filler Application on Bare Aluminum Position Statement

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This position statement document outlines the body filler materials and surface repair products that are approved by Lucid Motors for use in the repair of surface dents on aluminum body panels on our electric vehicles. The document specifies the approved 3M products and explains the required process steps for using them, including the use of epoxy primer when necessary.

The following guidelines for the application of body filler and surface repair products must be adhered to. Compliance with these guidelines is essential for preserving the integrity of the vehicle's body and ensuring the longevity of repairs.

Product Requirements

Lucid recommends the following for dent repairs on our vehicles:

- 3M Platinum Plus Body Filler-01131 (if epoxy primer is not used prior to applying body filler)
- 3M Platinum Plus Glaze-31180

Before using any body filler or surface repair products, the product manufacturer's technical data sheets must be thoroughly read, and the instructions strictly followed.

Alternative Products

If 3M products are not available and alternative brands of premium body fillers are utilized, the application of an epoxy primer prior to any filler application is mandatory unless explicitly instructed otherwise by the alternative product's manufacturer.

Corrosion Resistance

Due to the exceptional corrosion-resistant properties of 3M Platinum Plus Body Filler-01131 and Platinum Plus Glaze-31180, the application of epoxy primer is not required when these products are applied to bare aluminum substrates that have been prepared according to the method outlined below. These products can be applied directly to bare metal without causing adhesion failure or corrosion.

Surface Preparation Procedure

The following steps must be followed for proper surface preparation:

1. Remove any dirt or dust from the panel surface with clean, dry compressed air.
2. Wipe the surface with Wax & Grease remover.
3. Sand the surface with 3M 80-grit abrasive.
4. Remove any dust from the surface with clean, dry compressed air.
5. Wipe the surface with Wax & Grease remover.
6. Mix the filler as per the manufacturer's technical data sheet instructions and apply it to the surface within 30 minutes of completing the last step.

Application Guidelines

- The application of all body fillers or glazing putty must not exceed a thickness of ¼" (6mm) on the surface of the vehicles.
- If the damaged non-structural panel cannot be metal-worked back to within 6mm of its original dimensions, additional corrective measures must be taken before proceeding with filler application.

These measures are in place to uphold our commitment to vehicle safety and high quality repairs. ensure that every body filler application on bare aluminum meets our stringent quality standards.