



Section 3

General Panel Repair: Preparation Guidance



General Panel Repair:

Cleaning / Degreasing Process



Best Practice:

To ensure the vehicle is sufficiently clean and ready for repair PPG recommend that the vehicle is thoroughly cleaned prior to it entering the workshop.

Removal of general traffic film, dirt and tar spots will help ensure a consistent and a RIGHT FIRST TIME repair can always be achieved.

Recommended Best Practice:

Jet Wash or Steam Clean the vehicle.

Any initial 'In Process' cleaning to the repair should be done using both solvent and water based cleaners at all workshop stages. Both cleaners will ensure any mineral salts and contaminants are removed.

(For cleaning polyester bodyfiller – only use solvent spirit wipe)

The PPG Cleaning range includes:

D837 Spirit Wipe and D8401 Waterborne Low VOC Cleaner to assist with this process.

Both products should be used via a pressure pump dispenser bottle. Excess product is then removed using a premium lint free cloth.

These products are for professional use only.

For full technical specification refer to TDS: RLD63V.

General Panel Repair: Bodyfiller



Step 1: Preparation

Ensure panel is clean, following paint specifications.



Step 2: Sanding

Remove all paint from the damaged area using a P80-120 abrasive; allowing enough space to ensure the filler is within the bare substrate area.



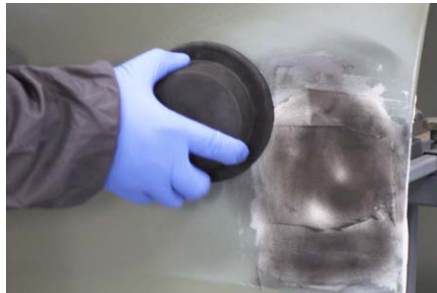
Step 3: Filler Mixing

Select the appropriate filler for the job. Ensure correct mixing ratio of filler to hardener. Mixing ratio 2-3% (by weight). Mix thoroughly to ensure a consistent colour.



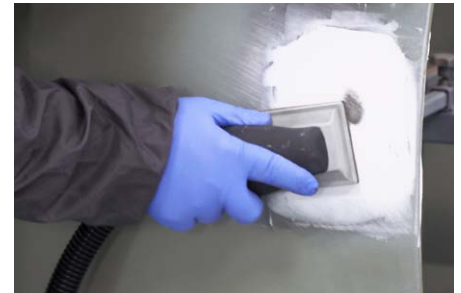
Step 4: Filler Application

Apply the filler to the damaged area in even coats, building to the required depth, making sure to avoid paintwork.



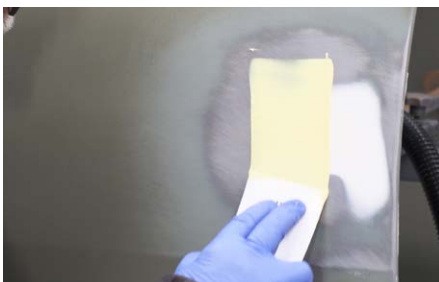
Step 5: Dry Guide Coat Application:

Ensure filler is fully cured, as per TDS recommendation. Apply Bodyline by PPG guide coat to highlight any filler high/low spots and imperfections.



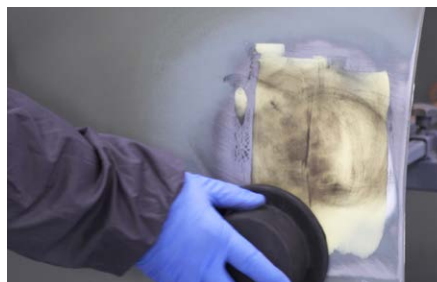
Step 6: Sanding:

Once fully cured, block the filler to the required profile using P80 and finishing with P180. Apply guide coat between grit changes.



Step 7: Glaze Application

If required, apply glaze to reduce the paint primer consumption and achieve a smooth surface prior to painting. After application, apply guide coat and sand the surface.



Step 8: Final Preparation

Re-apply guide coat to view deeper imperfections and remove these with a fine abrasive, grade 240+. A hand block can be used.

Always ensure that you select the appropriate Personal Protective Equipment for the process.



Bodyfiller Repair Process



Bodyfiller Plastic Repair Process

