



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Perform Surface Preparation On A Body Panel Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 119734 · NQF Level 2 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to prepare vehicle body panels for refinishing. It covers the identification of surface defects, selection of appropriate abrasives and tools, and correct application of surface preparation techniques. Upon completion, learners will be able to achieve a clean, smooth, and properly contoured surface ready for primer or paint application.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	119734
Accreditation	SAQA Accredited · NQF Level 2 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and assess surface defects on a body panel using visual and tactile inspection methods.
- Select and use appropriate abrasives, tools, and equipment for surface preparation tasks.
- Apply correct techniques to clean, sand, and shape a body panel to remove imperfections.
- Demonstrate proper masking and protection of adjacent areas to prevent overspray or damage.
- Evaluate the prepared surface to ensure it meets specifications for primer or paint application.

WHO SHOULD ATTEND

- This course is designed for automotive body repair technicians, panel beaters, spray painters, and apprentices in the motor body repair industry who need to perform surface preparation as part of their daily work.

COURSE OUTLINE

Day 1: Introduction to Surface Preparation and Safety

- Overview of surface preparation in the refinishing process.
- Workshop safety, fire prevention, and handling of chemicals.
- PPE: respirators, gloves, safety glasses, and overalls.
- Types of body panels: steel, aluminium, plastic, and composites.
- Substrate identification and compatibility.
- Sources of contamination: oil, grease, silicones, and corrosion.
- Principles of adhesion and surface profile.

Day 2: Cleaning and Degreasing Techniques

- Types of cleaning agents: solvents, detergents, and wax removers.
- Step-by-step solvent wiping technique.
- Using tack cloths: purpose and handling.
- Degreasing procedures for oil and grease removal.
- Cleaning plastic and aluminium panels.
- Inspection methods: water break test and visual inspection.
- Common mistakes and how to avoid them.

Day 3: Abrasive Sanding and Mechanical Preparation

- Abrasive materials: sandpaper types, grit sizes, and backings.
- Hand sanding techniques: blocks, sponges, and contours.
- Machine sanding: DA sanders, orbital sanders, and safety.
- Feather-edging and blending for repair areas.
- Applying body filler: mixing, spreading, and curing.
- Sanding filler: contouring and final shaping.
- Dust extraction and clean-up.

Day 4: Masking and Priming

- Masking materials: tapes, paper, and plastic sheeting.
- Masking techniques for straight edges, curves, and complex areas.
- Primer types: etch primer, high-build primer, and sealer.
- Spray gun setup and application of primer.
- Drying times and curing methods.
- Sanding primer: wet and dry sanding.
- Inspecting for pinholes, runs, and orange peel.
- Correcting primer defects.

Day 5: Final Preparation and Quality Assurance

- Final degrease and tack cloth procedure.
- Inspection for scratches, dust, and imperfections.
- Quality standards: smoothness, profile, and cleanliness.
- Common final defects and rectification.
- Documentation: checklists and reporting.
- Practical assessment: prepare a body panel from start to finish.
- Feedback and review of techniques.
- Course wrap-up and certification.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **8 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	21 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Pretoria, South Africa

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 119734) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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