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**Overview**

This standard is about the ability to undertake edge to edge repair activities on automotive vehicles.

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**Performance  
criteria**

- You must be able to:
- P1 wear suitable personal protective equipment and use the specified environmental safety equipment throughout all vehicle refinishing operations
  - P2 support vehicle refinishing operations by reviewing:
    - P2.1 product data
    - P2.2 the manufacturer's technical data
    - P2.3 colour libraries
    - P2.4 spectrometer
    - P2.5 work instructions
  - P3 identify the body panel substrates accurately prior to undertaking any refinishing work
  - P4 prepare, test and adjust all the tools and equipment required, following manufacturer's instructions, prior to use
  - P5 prepare all the refinishing systems and materials required following health and safety requirements and using:
    - P5.1 materials which conform to the specification required
    - P5.2 the manufacturer's approved method
    - P5.3 the manufacturer's approved equipment
  - P6 apply all refinishing systems and materials using approved tools and equipment and following:
    - P6.1 the manufacturer's instructions
    - P6.2 the correct methods and techniques
    - P6.3 the correct application techniques for managing colour and tone variables
    - P6.4 health and safety requirements
  - P7 dry all refinishing applied materials following health and safety requirements and using:
    - P7.1 the manufacturer's approved method
    - P7.2 the manufacturer's approved equipment

- P8 ensure the finish produced:
  - P8.1 meets the requirements of the manufacturer's warranty
  - P8.2 meets the refinishing specification required and customer needs
  - P8.3 matches the existing finish
  - P8.4 is free from contaminants and defects
- P9 dispose of waste materials to conform with legal, environmental and workplace requirements
- P10 leave tools, equipment and work environment in a clean and serviceable condition, as appropriate
- P11 complete all refinishing activities within the agreed timescale and an agreed quality control process
- P12 report any anticipated delays in completion to the relevant person(s) promptly

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## Knowledge and understanding

### You need to know and understand:

- K1 the health and safety and environmental legislative requirements specific to vehicle refinishing operations and why it is important that these are followed
- K2 workplace procedures and workshop practices relevant to personal and vehicle protection before, during and after vehicle refinishing operations
- K3 the importance of disposing of waste safely and the consequences of not doing so to others, the business and the environment
- K4 the vehicle work specification agreed
- K5 your workplace procedures for:
  - K5.1 the referral of problems
  - K5.2 reporting delays to the completion of work
  - K5.3 personal protection
- K6 the importance of working to agreed timescales and keeping others informed of progress
- K7 the relationship between time, cost and productivity
- K8 the importance of reporting anticipated delays to the relevant person(s) promptly
- K9 how to prepare, check, adjust and use all the tools and equipment required for vehicle refinishing operations
- K10 spray gun faults, their cause and their rectification
- K11 how to prepare refinishing systems and materials for use
- K12 the properties of refinishing systems and materials and the factors affecting their use
- K13 how to recognise and report damage to substrates and ancillary fittings
- K14 how to interpret manufacturer's technical data
- K15 how to prepare panels and parts adjacent to the area being painted
- K16 methods of protecting panels and parts adjacent to the areas being painted and the circumstances in which they should be used
- K17 how to find, interpret and use sources of information relevant to the refinishing of vehicles
- K18 how to apply refinish materials using edge to edge techniques avoiding

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- contamination and defects
- K19 how to dispose of waste materials in compliance with any environmental requirements/legislation and workplace procedures
  - K20 how to work safely avoiding damage to vehicles, personal injury and injury to colleagues
  - K21 the importance of following manufacturer's instructions and using their approved methods of working (including the use of refinishing systems, materials and equipment)
  - K22 the consequences of failing to follow manufacturer's instructions
  - K23 the implications of rectification identified by an agreed quality control process

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