

Overview

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

Carry out edge to edge repairs on automotive vehicles

Performance criteria

You must be able to:

P1wear suitable personal protective equipment and use the specified environmental safety equipment throughout all vehicle refinishing operations

P2support vehicle refinishing operations by reviewing:

P2.1product data

P2.2the manufacturer's technical data

P2.3colour libraries

P2.4spectrometer

P2.5work instructions

P3identify the body panel substrates accurately prior to undertaking any refinishing work

P4prepare, check and adjust all the tools and equipment required, following manufacturer's instructions, prior to use

P5prepare all the refinishing systems and materials required following health and safety requirements and using:

P5.1materials which conform to the specification required

P5.2the manufacturer's approved method

P5.3the manufacturer's approved equipment

P6apply all refinishing systems and materials using approved tools and equipment and following:

P6.1the manufacturer's instructions

P6.2the correct methods and techniques

P6.3the correct application techniques for managing colour and tone variables

P6.4health and safety requirements

P7dry all refinishing materials applied following health and safety requirements and using:

P7.1the manufacturer's approved method

P7.2the manufacturer's approved equipment

P8ensure the finish produced:

P8.1meets the requirements of the manufacturer's warranty

P8.2meets the refinishing specification required and customer needs

P8.3matches the existing finish

P8.4is free from contaminants and defects

P9dispose of waste materials to conform with legal, environmental and workplace requirements

P10leave tools, equipment and work environment in a clean and serviceable condition, as appropriate

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P11 complete all refinishing activities within the agreed timescale and to an agreed quality control process

P12 promptly report any anticipated delays in completion to the relevant person(s)

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Knowledge and understanding

You need to know and understand:

K1the health and safety and environmental legislative requirements specific to vehicle refinishing operations and why it is important that these are followed

K2workplace procedures and workshop practices relevant to personal and vehicle protection before, during and after vehicle refinishing operations

K3the importance of disposing of waste safely and the consequences of not doing so to others, the business and the environment

K4the vehicle work specification agreed

K5your workplace procedures for:

K5.1the referral of problems

K5.2reporting delays to the completion of work

K5.3personal protection

K6the importance of working to agreed timescales and keeping others informed of progress

K7the relationship between time, cost and productivity

K8the importance of promptly reporting anticipated delays to the relevant person(s)

K9how to prepare, check, adjust and use all the tools and equipment required for vehicle refinishing operations

K10spray gun faults, their cause and their rectification

K11how to prepare refinishing systems and materials for use

K12the properties of refinishing systems and materials and the factors affecting their use

K13how to recognise and report damage to substrates and ancillary fittings

K14how to interpret manufacturer's technical data

K15how to prepare panels and parts adjacent to the area being painted

K16methods of protecting panels and parts adjacent to the areas being painted and the circumstances in which they should be used

K17how to find, interpret and use sources of information relevant to the refinishing of vehicles

K18how to apply refinish materials using edge to edge techniques avoiding contamination and defects

K19how to dispose of waste materials in compliance with any environmental requirements/legislation and workplace procedures

K20how to work safely avoiding damage to vehicles, personal injury and injury to colleagues

K21the importance of following manufacturer's instructions and using their approved methods of working (including the use of refinishing systems, materials and equipment)

K22the consequences of failing to follow manufacturer's instructions

K23the implications of not following an agreed quality control process

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