

## Overview

This standard is about being able to make an assessment of the quality of glass-related materials, including those materials that are either glass or are associated with their use. Candidates need to be able to identify the main characteristics of the glass-related materials that they work with, and to ensure that the materials match the specifications required by the work being undertaken. They need to be able to detect any obvious variations, such as defects in the manufacture of the materials that could adversely affect the work. They also need to be able to identify the most likely causes of these variations, and make recommendations to correct them to the appropriate people.

## Performance criteria

- You must be able to:*
- P1 obtain the correct specification for the glass-related materials
  - P2 assess the quality of glass-related materials using appropriate equipment and methods
  - P3 ensure the equipment used to assess quality is functioning correctly
  - P4 identify the main characteristics and features of the glass-related materials
  - P5 check that the glass-related materials accord with the information on them
  - P6 report any discrepancies to the appropriate people according to standard operating procedures
  - P7 examine the glass-related materials for variations in quality using the correct methods
  - P8 ensure the equipment used in the examination process is appropriate
  - P9 identify correctly any variation between the quality of the glass-related materials and the specification
  - P10 ensure the quality assurance results are recorded correctly in the appropriate information systems
  - P11 access all relevant information on the causes of the variation in glass-related materials
  - P12 identify the most likely causes of the variation in glass related materials, and prioritise investigations accordingly
  - P13 correctly identify the causes of the variation
  - P14 obtain expert assistance when the causes of the variation cannot be identified
  - P15 identify suitable solutions for rectifying the causes of the variation
  - P16 ensure quality assurance results are recorded correctly in the appropriate information systems

## Knowledge and understanding

*You need to know and understand:*

### **Materials**

- K1 what quantity of glass-related materials should be used for different work activities
- K2 what type of glass-related materials are required for different jobs
- K3 how to confirm the specification of glass-related materials
- K4 what type of problems can occur with the glass-related materials, and the standard operating procedures for dealing with them
- K5 the types of variation in quality that could occur
- K6 indications of the variations
- K7 the most appropriate types of information for identifying causes of a variation
- K8 the likelihood of a variation occurring in different glass-related materials and the methods for verifying the correct cause of this.
- K9 when is it appropriate to bring in additional expertise and the consequences on the organisation and the customer
- K10 the types of solution that are possible for different quality assurance problems

### **Equipment**

- K11 what equipment to use for different work activities
- K12 how to operate different types of equipment
- K13 how different types of equipment can be set up for different requirements

### **Information recording**

- K14 what information systems should be used
- K15 why it is important to use the information systems

Assess the quality of automotive glazing related materials

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