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| Overview | This standard is concerned with 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. |

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| **Performance criteria**  You must be able to: | 1. obtain the correct specification for the glass-related materials 2. assess the glass-related materials using appropriate equipment and methods 3. ensure the equipment used to assess quality is functioning correctly 4. identify the main characteristics and features of the glass-related materials 5. check that the glass-related materials accord with the information on them 6. report any discrepancies to the appropriate people according to standard operating procedures 7. examine the glass-related materials for variations in quality using the correct methods 8. ensure the equipment used in the examination process is appropriate 9. identify correctly any variation between the quality of the glass-related materials and the specification 10. ensure the quality assurance results are recorded correctly in the appropriate information systems 11. access all relevant information on the causes of the variation in glass-related materials 12. identify the most likely causes of the variation, and prioritise investigations accordingly 13. correctly identify the causes of the variation 14. obtain expert assistance when the causes of the variation cannot be identified 15. identify suitable solutions for rectifying the causes of the variation 16. ensure quality assurance results are recorded correctly in the appropriate information systems |

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| Knowledge and understanding  You need to know and understand:  You need to know and understand:  You need to know and understand: | **Materials**   1. what quantity of glass-related materials should be used for different work activities 2. what type of glass-related materials are required for different jobs 3. how to confirm the specification of glass-related materials 4. what type of problems can occur with the glass-related materials, and what are the standard operating procedures for dealing with them 5. what types of variation in quality could occur 6. what are indications of the variations 7. what are the most appropriate types of information for identifying causes of a variation 8. what is the likelihood of a variation occurring in different glass-related materials and what are the methods for verifying the correct cause of this. 9. when is it appropriate to bring in additional expertise, and what are the consequences on the organisation and the customer 10. what types of solution are possible for different quality assurance problems   **Equipment**   1. what equipment to use for different work activities 2. how to operate different types of equipment 3. how different types of equipment can be set up for different requirements   **Information recording**   1. what information systems should be used 2. why it is important to use the information systems |

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| **Developed by** | IMI |
| **Version number** | 2 |
| Date approved |  |
| Indicative review date |  |
| Validity | Under consultation |
| Status | Tailored |
| Originating organisation | Proskills |
| Original URN | PROAG12 |
| Relevant occupations | Tyre exhaust and windscreen fitters |
| Suite | Automotive glazing |
| Key words | glass; automotive; glazing; cars; vans; mobile plant; buses; coaches |