
Overview

This standard covers the skills and knowledge needed to prepare and operate equipment /machinery/tools in the fabrication of glass supporting systems. The equipment is used to undertake work activities, and you are expected to be able to prepare it for operation. You have to monitor the equipment during operation and identify any indications of a malfunction or poor performance. In addition, you have to ensure the equipment is clean and clear from obstructions, although you will not undertake routine or emergency maintenance of the kind carried out by maintenance engineers.

This unit applies to operatives who fabricate windows, doors, conservatories and curtain walling.

Performance criteria

You must be able to:

1. comply with health and safety requirements and procedures at all times
2. identify and confirm specifications for the work being undertaken
3. select equipment that is suitable and confirm it is available and safe for use
4. prepare the equipment following standard operating procedures
5. start up and shut down the equipment following standard operating procedures
6. operate equipment/machinery/tools following standard operating procedures and manufacturers' instructions
7. check monitoring and control systems are fully functional following standard operating procedures
8. remove any items liable to damage the equipment/machinery/tools following standard operating procedures
9. clear equipment/machinery/tools of debris, dirt, and other materials that affect its ability to operate following standard operating procedures
10. identify any problems relating to the equipment/machinery/tools and deal with them following standard operating procedures
11. record information on the operation of the equipment in appropriate information systems

Knowledge and understanding

You need to know and understand:

1. relevant health and safety responsibilities and obligations
2. relevant health and safety procedures that need to be followed
3. how to confirm the correct specifications for the work being undertaken
4. level of detail required in a specification
5. equipment, materials, and work procedures used for different tasks
6. where to obtain information on the safe use of equipment/machinery/tools
7. equipment to use for different work activities
8. how to avoid damaging equipment through incorrect use
9. how different types of equipment/machinery/tools can be prepared for different requirements
10. how to operate different types of equipment/machinery/tools
11. maintenance requirements of different types of equipment/machinery/tools
12. different monitoring methods for different types of equipment/machinery/tools
13. type of items that could damage the equipment/machinery/tools
14. type of problems that can occur with the equipment/machinery/tools, and the standard operating procedures for dealing with them
15. information systems used
16. why it is important to use the information systems

GQAPGSF3

Prepare and operate equipment/machinery/tools in the fabrication of glass supporting systems



Developed by	GQA
Version Number	1
Date Approved	30 Mar 2020
Indicative Review Date	31 Mar 2025
Validity	Current
Status	Original
Originating Organisation	GQA Qualifications
Original URN	PROPGSF3
Relevant Occupations	Glaziers Window Fabric and Fitters
Suite	Production of Glass Supporting Fabrications
Keywords	Framing; glass; glazing; curtain walling; fabrication; windows and doors
