



**Glass
Qualifications
Authority**

Summary of the NVQ/SVQ Glass Manufacturing Level 2

NVQ 100/3857/7
SVQ G7EG 22

WHO IS THIS QUALIFICATION FOR?

This qualification is aimed at those who undertake activities in the glass manufacturing sector. This includes the receiving and batching of raw materials before they are processed, and the control of heating equipment to melt and form glass from the raw materials. It is not expected that candidates working in glass manufacturing all do the same activities: the qualification is structured to ensure that there is a high degree of flexibility in the qualification, although there are common units in the mandatory section of the qualification. The standard covers the most important aspects of the job. This qualification is at Level 2, and should be taken by those who are fully trained to deal with routine assignments. Candidates should require minimum supervision in undertaking the job.

A further qualification that covers Glass Manufacturing at Level 3 is also available.

Candidates for this qualification will primarily be:

- working in glass making factories
- working with raw materials, melted glass materials, or semi-finished products

Candidates are likely to have jobs entitled:

- Batch Plant Operator
- Bottle Maker
- Fibre Glass Maker
- Forming Operator
- Furnace Operator
- Glass Maker
- Glass Manufacturer
- Glass Shop Operator
- IS Machine Operator
- Machine Operator
- Melting Operator
- Process Operator
- Tank Operator

WHAT IS REQUIRED FROM CANDIDATES?

Candidates should achieve all 3 mandatory units listed below, plus 4 of the optional units. Candidates should prove that they can achieve all the statements listed for each element. Guidance on the evidence that will be acceptable is contained in the introduction to each unit.

Mandatory Units (all 3 units to be taken)

- Unit 1 Maintain health and safety within the working environment
- Unit 2 Contribute to the work of others
- Unit 3 Prepare and operate equipment

Optional Units (any 4 units to be taken)

- Unit 4 Handle materials
- Unit 5 Check the quality of products
- Unit 6 Process products and materials by applying coatings or treatments
- Unit 7 Receive glass raw materials for manufacturing operations
- Unit 8 Prepare glass raw materials for manufacturing operations
- Unit 9 Control the flow of glass raw materials through the melting process
- Unit 10 Control the operating conditions within the melting process
- Unit 11 Control melted glass within the forming process
- Unit 12 Form glass products
- Unit 13 Anneal glass products and materials



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List of Units

Unit 1	Maintain health and safety within the working environment
Element 1.1	Maintain the health and safety of individuals
Element 1.2	Minimise injury to individuals and damage to property in an emergency
Unit 2	Contribute to the work of others
Element 2.1	Minimise the wastage of resources
Element 2.2	Obtain and provide information
Element 2.3	Develop and maintain good working relationships
Unit 3	Prepare and operate equipment
Element 3.1	Prepare equipment for operations
Element 3.2	Operate the equipment
Unit 4	Handle materials
Element 4.1	Locate materials
Element 4.2	Handle and position materials
Unit 5	Check the quality of products
Element 5.1	Check the specifications of a product
Element 5.2	Detect a variation in the quality of a product
Unit 6	Process products and materials by applying coatings or treatments
Element 6.1	Prepare products and materials for processing
Element 6.2	Apply coatings or treatments to products and materials
Element 6.3	Finish products and materials to protect coatings or treatments
Unit 7	Receive glass raw materials for manufacturing operations
Element 7.1	Receive delivery of glass raw materials
Element 7.2	Retrieve glass raw materials within the site
Element 7.3	Monitor the stock level of glass raw materials within the site
Unit 8	Prepare glass raw materials for manufacturing operations
Element 8.1	Prepare glass raw materials
Element 8.2	Batch glass raw materials
Unit 9	Control the flow of glass raw materials through the melting process
Element 9.1	Monitor the supply of glass raw materials into the melting process
Element 9.2	Control the flow of melted glass
Unit 10	Control the operating conditions within the melting process
Element 10.1	Control the temperature of materials and equipment
Element 10.2	Control operating conditions within the melting equipment
Element 10.3	Implement emergency procedures to control melting equipment
Unit 11	Control melted glass within the forming process
Element 11.1	Monitor the supply of melted glass into the forming process
Element 11.2	Control the transfer of melted glass through the forming process
Unit 12	Form glass products
Element 12.1	Monitor the forming of glass products
Element 12.2	Control the forming of glass products
Unit 13	Anneal glass products and materials
Element 13.1	Anneal glass products and materials to meet specifications
Element 13.2	Finish glass products and materials after annealing