

Apprenticeship Fenestration Installer Level 2

QUALIFICATION OBJECTIVES

Fenestration is the arrangement and design of windows and other external glazed elements in a building with the exception of curtain walling. It can often be the most impressive feature of a building and covers a range of products e.g. windows, doors, bifolds, rooflights and conservatories. Companies range in size from local micro businesses servicing only the domestic market and through to large national employers who both manufacture and fit a wide range of fenestration products for dwellings and nondwellings. Installers work with a broad range of materials (e.g. PVC-U, aluminium, steel, timber and composite) and a wide variety of building structures and building methods. An employee in this occupation will be responsible for completing their own work, with minimal supervision, ensuring they meet installation quality standards and deadlines. They may work as part of a team, with responsibility for a specific aspect of the installation, contributing to the completion of the project.

As part of this, they will be expected to liaise with various clients, be aware of relevant legislation and regulations related to the product/service, interact with clients and understand their working environment and work within these limitations.

This qualification is suited to the following roles:

- Fenestration installer • Window fitter • Window installer • Window and door installer

QUALIFICATION OPPORTUNITIES

This occupation can progress to more specialist occupations through further training, e.g. curtain walling, surveying, and working on high-rise high-risk buildings which must comply to specific regulations since the Grenfell Fire.

QUALIFICATION DELIVERY

Delivery will be tailored to the Apprentices requirements and will primarily be site based for practical with theory sessions being arranged to develop the Apprentices Knowledge. In addition to this, from time to time, there may be a requirement for the learner to visit our centre for training if certain needs arise.

Employers involved in the development of this Apprenticeship Standard include:

- The Window Company • Sunray Construction • UK Glass Force • Nationwide Windows • Eurocell • Anglian Home Improvements • Synseal/Global Glass • Rehau • Saint Gobain • Prentice Glass • Cornwall Glass & Glazing • Everest • SAS (Senior Architectural Systems), • VPS Evander • Continental Installations • Comar Architectural Aluminium Systems (Parkside Group) • Safestyle • Emplas Window Systems Ltd • Glazerite UK Group Limited • Corgi • GGF • Certass • Fensa

Entry

The entry requirement for this Apprenticeship Standard will be decided by each employer, but may typically be five GCSEs at Grade C or higher.

Duration

The minimum duration for this Apprenticeship Standard is 18 months.

Progression

Curtain Walling, Surveying or possible Management Opportunities combining with experience

Level

This qualification is completed via an Apprenticeship Standard at Level 2.

Functional Skills

Apprentices will need to achieve their Level 1 English and mathematics prior to taking the end-point assessment.

For further information

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OFF THE JOB TRAINING

The Education and Skills Funding Agency (ESFA), on behalf of the government, have incorporated into the Apprenticeship funding rules a requirement that all new full-time apprentices must spend at least 20% of their normal working hours on off-the-job training. For calculation purposes only, working hours are capped at 30 hours per week, and this equates to an average of 6 hours of off-the-job training per week (i.e. 20% of 30 hours) completing off-the-job training. If an individual works less than 30 hours per week, they are considered to be a part-time apprentice therefore, their programme must be extended (as per the apprenticeship funding rules) and at least 20% of the part-time apprentice's normal working hours, over this extended duration, must be spent on off-the-job training.

Fenestration Installers will demonstrate occupation duties:

Identify and confirm fenestration installation requirements and components against a survey/job sheet/specification/drawings/CAD/BIM and in accordance with Building Regulations such as Approved Documents Parts A-J, K-N, P, Q and Regulation 7

Interpret the appropriate work plan for the job, taking into account factors such as building age, listed status, accessibility, quality of surrounding wall, other trades in the work area, customers including vulnerable adults and related legislation and regulations

Locate, handle, store, load, transport and position fenestration materials and components safely, minimising damage ready for installation and where applicable, in accordance with Working at Height regulations

Prepare the site, plant and equipment, access equipment when necessary, power and hand tools ready for fenestration installation

Remove existing fenestration, understanding what action should be taken or who to report situations to if unexpected or dangerous materials are exposed e.g. asbestos, cavity barriers, damaged DPC or birds nests

Ensure structural stability using structural supports e.g. acrows or strong boys. Ensuring that the lintel is present and remains undamaged or that a new one is installed above the window

Prepare the apertures, ensuring the Damp Proof Course is undamaged, minimise damage to the existing structure and follow Building Regulations part B Fire Safety

Fix fenestration units in place, making sure they are plumb, level and secure using a range of tools and technologies e.g. spirit level, laser level, through frame fixings, one way screws, Thread cutting screws or machine screws if working with aluminium. Follow guidance BS8213.4 and manufacturers requirements or systems manuals

Install glass units, infill panels and hardware into the fenestration framework e.g. bi-folds, conservatory roofs, decorative and specialist glazing products

Apply internal finishing's such as trims, decorators caulk, window boards. Protect the work area and make good when necessary

Apply external finishing's such as silicone, mastic, cement, plaster or beading, taking into account fire regulations (fire stopping), environmental performance

Clear away leftover materials on completion of installation and disposal of waste appropriately according to the appropriate code of practice

Demonstrate the product and hand over installation paperwork to residential and commercial customers

Conduct interim and final inspections of the work and work area

END POINT ASSESSMENT

On programme, completion will take place while the learner is working towards Gateway and will be in the form of successful completion of the knowledge modules within the Apprenticeship Standard. At Gateway, further preparation will take place to develop the Apprentice and then prepare them for completion of a series of assessments as follows.

The End-Point Assessment is based on three independent end assessment activities:

- **Observation with Questioning:** The following activities MUST be observed during the observation- Installation of a Door- Installation of a Window
- **Interview, underpinned by portfolio of evidence:** The interview is underpinned by a portfolio of evidence, that the Apprentice will be building on programme, enabling the Apprentice to demonstrate the application of skill and behaviours as well as knowledge
- **Multiple-choice test:** The test can be computer based or paper based. It will consist of 40 questions

APPRENTICE COMPLETION CERTIFICATE

Upon completion, the Apprentice will be graded with a Fail, Pass or Distinction.