Level 5 Diploma in Passive Fire Protection Inspection

Qualification Specification

Contents

Introduction

The **ProQual Level 5 Diploma in Passive Fire Protection Inspection** provides a nationally recognised industry specific qualification for those working in the passive fire protection industry. It gives an opportunity to develop role specific skills and competencies relating to fire resisting doors, fire stopping, including penetration sealing systems, linear gap seals and cavity barriers, fire- rated ductwork and dampers, fire-rated steel intumescent coatings, building control site inspection and assessment planning, and monitoring construction (passive fire protection) project quality.

Candidates may already be working in the construction sector or already in passive fire protection as a trainee or as an assistant for local authorities and approved inspectors or private sector consultancies.

The awarding body for this qualification is ProQual Awarding Body (www.proqualab.com) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual).

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

Qualification Profile

Qualification title	**ProQual Level 5 Diploma in Passive Fire Protection Inspection**
Ofqual qualification number	610/2749/2
Level	5
Total Qualification Time	400 hours (355 GLH)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	31/05/2023
Qualification end date	

Entry Requirements

There are minimum entry requirements for this qualification. Each candidate MUST hold one of the following qualifications:

- A Health and Safety qualification, for instance, Site Supervisor Safety Training Scheme (SSST), Site Management Safety Training Scheme (SMSTS), a NEBOSH Certificate in Safety or an IOSH Managing Safely qualification

- A Fire Safety qualification, for instance, a Level 3 Award in Fire Safety or higher

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

Qualification Structure

To achieve the qualification candidates must achieve each of the mandatory units, plus a minimum of two of the optional units

Mandatory Units – complete all units			
Unit Reference Number	**Unit Title**	**Level**	**GLH**
T/650/7378	Building Control Site Inspection and Plan Assessment	5	150
Y/650/7379	Monitor Project Quality in Construction – Passive Fire Protection	5	145
Optional Units – complete a minimum of two units			
Unit Reference Number	**Unit Title**	**Level**	**GLH**
M/617/7494	Inspecting and Testing of Fire Resisting Door Installations	3	30
K/650/4278	Inspecting and Testing of Fire Stopping Installations	3	30
J/650/4277	Inspecting and Testing of Fire-Rated Ductwork and Damper Installations	3	30
H/650/4276	Inspecting and Testing of Fire-Rated Steel Intumescent Coating Installations	3	30

Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

Staff
Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

Assessors/Internal Quality Assurance
Assessors must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence.

Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the unit. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualification must be assessed by an appropriately experienced and qualified assessor, and internally quality assured.

Each candidate is required to demonstrate their achievement of all the learning outcomes and assessment criteria through an appropriate assessment method.

- Written examination
- Practical examination
- Portfolio of evidence

Learning outcomes set out what a candidate is expected to know, understand or be able to do.

Assessment criteria specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria can be found from page 8.

Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

Certification

Candidates who achieve the requirements for this qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

ProQual Level 5 Diploma in Passive Fire Protection Inspection

Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the qualification. All certificates will be issued to the centre for successful candidates.

Unit certificates

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Title:	Building Control Site Inspection and Plan Assessment
Unit Number:	T/650/7378

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Be able to apply Building Regulations and The Fire Safety Order Implementation	1.1 Demonstrate an understanding of legal and statutory responsibilities whilst applying the Building Regulations and the Fire Safety Order in relation to passive fire protection 1.2 Provide a measurable project file where the above has been considered, including contract documentation with abridgments of confidential information and the specifics of the legal and statutory responsibilities in relation to the project
2. Understand building structures and their behaviours in a fire and apply the Building Regulations and Fire Safety Order	2.1 Demonstrate an understanding of the behaviour of a building's structure in a fire and apply the Building Regulations and Fire Safety Order. 2.2 Provide a structural steel inspection project portfolio and/or a report which investigates the relevant areas in a new build or a fully constructed build
3. Be able to apply Building Regulations and Fire Safety Order Science of Materials	3.1 Evaluate human behaviour in a fire situation 3.2 Complete an assessment of building plans 3.3 Investigate whether the required approved document has been applied and whether the relevant person/s will be protected in the event of a fire. 3.4 Evaluate the performance of a building's materials in relation to passive fire protection, and the effects on human behaviour in a fire situation 3.5 Produce a report on a project with non-conforming installations and consider within that report what the effects will be on that project in the event of a fire. 3.6 Demonstrate an understanding of how to select appropriate passive fire protection materials when specifying commercial or multi occupancy buildings 3.7 Suggest material substitutes and how they were utilised, and illustrate how the manufacturers can provide evidence for non-standard details through the golden thread process.

Title:	Building Control Site Inspection and Plan Assessment
Unit Number:	T/650/7378

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
4. Be able to apply the Building Regulations and The Fire Safety Order to fire safety situations	4.1 Demonstrate understanding of the nature of fire and the significance of fuel load. - Carrying out an inspection of the existing building, which is occupied, and providing a report on the fuel loadings for the building and stating how this may compromise the safety of the occupants. 4.2 Explain how to identify the type of structure and fabric of a building and how they affect fire safety 4.3 Provide a report on a building project which investigates the structures and fabric of the building and how these aspects will affect their performance in the event of a fire. 4.4 Demonstrate an understanding of regulations and techniques used to reduce the impact of fire in buildings 4.5 Identify the interface between the Building Regulations and how they are applied to the project to protect people in the building project.
5. Be able to complete a Building Control Residential Inspection related to Fire Safety	5.1 Competently inspect buildings in relation to Building Regulation compliance – Fire Safety 5.2 Provide an annual CPD log which demonstrates that they are up to date with new Building Regulations, safety legislations, products, and systems

Title:	Building Control Site Inspection and Plan Assessment
Unit Number:	T/650/7378

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
6. Be able to apply Building Regulations and The Fire Safety Order Understanding Plans Specifications and Regulation 38 information	6.1 Understand building control applications and plans in relation to fire safety 6.2 Present project plans which show where the fire safety signs, compartmentation, and active fire protection should occur, including access and firefighting facilities. 6.3 Check a building plan post building control approval 6.4 Show through a project where plans have been applied and before site inspections have started, the drawings have been viewed and checked to ensure they comply with specific site requirements 6.5 Confirm elements of technical detail to be compliant with the Building Regulations, including drawings, specifications, fire test evidence and data sheets 6.6 Provide a' golden thread' sign off for individual technical specifications in relation to specific systems, including a project tracker showing engagement, responsibilities and sign off dates. 6.7 Apply the Regulation 38 checklist post completion of a project which shows the fire safety information to be passed onto the responsible person.

Title:	Monitor Project Quality in Construction – Passive Fire Protection
Unit Number:	Y/650/7379

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Be able to monitor projects against agreed passive fire protection installation specifications.	1.1 Identify and clarify quality standards from available information and assist with the interpretation and planning for implementation with the people responsible before work begins 1.2 Set up and utilise efficient systems for inspecting and controlling the quality of work produced and record the outcomes. 1.3 Explain how to check, regularly, that work conforms to the design requirements and the specified quality standards in relation to passive fire protection 1.4 Identify work which fails to meet the requirements and specified quality standards, investigate the circumstances thoroughly and recommend remedial requirements for improvement
2. Be able to monitor projects against agreed quality standards in relation to passive fire protection	2.1 Describe what to identify as quality standards from available information and assist with the interpretation and planning for implementation with people responsible before they begin work 2.2 Propose how to set up efficient systems for inspecting and controlling the quality of work produced and record the outcomes 2.3 Explain how to check, regularly, that work conforms to the design requirements and the specified quality standards, in relation to passive fire protection 2.4 Describe how to identify work which fails to meet the requirements and specified quality standards, investigate the circumstances thoroughly and provide recommendations for remedial improvement 2.5 Describe how to identify work which fails to meet the requirements and specified quality standards, investigate the circumstances thoroughly and provide recommendations for remedial improvement 2.6 Explain how to monitor corrective actions and notify decision makers if this is not done within a reasonable time

Title:	Monitor Project Quality in Construction – Passive Fire Protection
Unit Number:	Y/650/7379

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
3. Be able to monitor project compliance with legal and statutory requirements, in relation to passive fire protection.	3.1 Identify and clarify legal and statutory requirements in relation to passive fire protection from available information 3.2 Assist with interpretation and planning for implementation with people responsible before work begins 3.3 Specify, clearly and unambiguously, both the responsibilities and those responsible for maintaining legal and statutory requirements in relation to passive fire protection 3.4 Apply monitoring systems for inspecting the quality of work produced and record the outcomes. 3.5 Explain how to check, regularly, that work conforms to the design requirements and the specified legal and statutory requirements in relation to passive fire protection. 3.6 Identify work which fails to meet the project requirements and specified legal and statutory requirements 3.7 Investigate the circumstances thoroughly and recommend corrective action is implemented for improvement

Title:	Monitor Project Quality in Construction – Passive Fire Protection
Unit Number:	Y/650/7379

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
4. Understand how to monitor project compliance with legal and statutory requirements in relation to passive fire protection.	4.1 Describe how to identify and clarify legal and statutory requirements from available information 4.2 Assist with interpretation and planning for implementation with the people responsible before work begins 4.3 Specify clearly and unambiguously, both the responsibilities and those responsible for maintaining legal and statutory requirements in relation to passive fire protection 4.4 Explain how to check, regularly, that work completed conforms to the design requirements and the specified legal and statutory requirements in relation to passive fire protection. 4.5 Describe how to identify work which fails to meet the project requirements and specified legal and statutory requirements 4.6 Investigate the circumstances thoroughly and recommend that corrective action is taken to rectify this. 4.7 Examine how to monitor corrective action that is taken and notify decision makers in regard to this. 4.8 Describe how to identify any new legal and statutory requirements in relation to passive fire protection which may have an impact on the project 4.9 Summarise the important details and pass these onto decision makers. 4.10 Explain how to regularly update decision makers about significant variations in legal and statutory requirements and recommend the actions that they need to take.

Title:	Inspecting and Testing of Fire Resisting Door Installations
Unit Number:	M/617/7494

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Understand the regulations and standards applying to fire doors.	1.1 Demonstrate knowledge of the regulations and standards applying to fire doors. 1.2 Demonstrate knowledge of: a) the different types of fire doors and their use. b) the importance of critical components of fire doors, such as door closers and hinges.
2. Know the inspection procedure for fire door installations.	2.1 Demonstrate knowledge of the inspection and testing procedure. 2.2 Demonstrate knowledge of testing pass/fail criteria. 2.3 Demonstrate knowledge of how to give advice to the building owner/client in the case of inspection failure.
3. Be able to inspect and test fire door installations.	3.1 Interpret the regulations and standards during inspection and testing activities. 3.2 Inspect fire door installations. 3.3 Test fire door installations. 3.4 Comply with fire regulations during inspection and testing. 3.5 Keep quality, accurate and detailed reports on inspections and tests.

Title:	Inspecting and Testing of Fire Stopping Installations
Unit Number:	K/650/4278

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Understand the regulations and standards applying to fire stopping.	1.1 Demonstrate knowledge of the regulations and standards applying to fire stopping. 1.2 Demonstrate knowledge of: a) the different types of fire stopping and their use. b) the importance of the different types of fire stopping, namely penetration sealing systems, linear gap seals and cavity barriers
2. Know the inspection procedure for fire stopping installations.	2.1 Demonstrate knowledge of the inspection and testing procedure. 2.2 Demonstrate knowledge of testing pass/fail criteria. 2.3 Demonstrate knowledge of how to give advice to the building owner/client in the case of inspection failure.
3. Be able to inspect and test fire stopping installations.	3.1 Interpret the regulations and standards during inspection and testing activities. 3.2 Inspect fire stopping installations. 3.3 Test fire stopping installations. 3.4 Comply with fire regulations during inspection and testing. 3.5 Keep quality, accurate and detailed reports on inspections and tests.

Title:	Inspecting and Testing of Fire-Rated Ductwork and Damper Installations
Unit Number:	J/650/4277

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Understand the regulations and standards applying to fire-rated ductwork and dampers.	1.1 Demonstrate knowledge of the regulations and standards applying to fire-rated ductwork and dampers. 1.2 Demonstrate knowledge of: a) the different types of fire-rated ductwork and dampers and their use. b) the importance of the different types of fire-rated ductwork and dampers, such as rigid or flexible ductwork and multi-blade or single-blade dampers.
2. Know the inspection procedure for fire-rated ductwork and damper installations.	2.1 Demonstrate knowledge of the inspection and testing procedure. 2.2 Demonstrate knowledge of testing pass/fail criteria. 2.3 Demonstrate knowledge of how to give advice to the building owner/client in the case of inspection failure.
3. Be able to inspect and test fire-rated ductwork and damper installations.	3.1 Interpret the regulations and standards during inspection and testing activities. 3.2 Inspect fire-rated ductwork and damper installations. 3.3 Test fire-rated ductwork and damper installations. 3.4 Comply with fire regulations during inspection and testing. 3.5 Keep quality, accurate and detailed reports on inspections and tests.

Title:	Inspecting and Testing of Fire-Rated Steel Intumescent Coating Installations
Unit Number:	H/650/4276

Learning Outcomes *The learner will:*	**Assessment Criteria** *The learner can:*
1. Understand the regulations and standards applying to fire-rated steel intumescent coatings.	1.1 Demonstrate knowledge of the regulations and standards applying to fire-rated steel intumescent coatings. 1.2 Demonstrate knowledge of: a) the different types of fire-rated steel intumescent coatings and their use. b) the importance of the different types of fire-rated steel intumescent coatings, such as water-based or solvent-based steel intumescent coatings.
2. Know the inspection procedure for fire-rated steel intumescent coating installations.	2.1 Demonstrate knowledge of the inspection and testing procedure. 2.2 Demonstrate knowledge of testing pass/fail criteria. 2.3 Demonstrate knowledge of how to give advice to the building owner/client in the case of inspection failure.
3. Be able to inspect and test fire-rated steel intumescent coating installations.	3.1 Interpret the regulations and standards during inspection and testing activities. 3.2 Inspect fire-rated steel intumescent coating installations. 3.3 Test fire-rated steel intumescent coating installations. 3.4 Comply with fire regulations during inspection and testing. 3.5 Keep quality, accurate and detailed reports on inspections and tests.

www.proqualab.com

enquiries@proqualab.com

Tel: +44 (0)1430 423822

ProQual AB Limited, ProQual House, Unit 1, Innovation Drive, Newport, HU15 2GX
Company Registration Number: 07464445