

Pearson Edexcel Level 2 NVQ Diploma in Thermal Insulation

Qualification Number: 601/4233/9

What is the purpose of this qualification?

This qualification is designed to show competence to the occupational standards required for Thermal Insulators working in industrial settings carrying out specialist thermal insulation activities.

The qualification confers competence for the role of Thermal Installation Engineer and Thermal Installer. Successfully completing this NVQ is one of the ways in which a Card can be achieved under the Construction Card Competence Scheme. This scheme is not a licence to practice, but is recognised by many employers, and therefore can help learners to gain employment and access to building sites where the schemes are recognised, or to move between jobs.

As an NVQ, the qualification can be taken as a stand-alone qualification, assessed in the workplace to demonstrate the competence required for these roles. For younger learners, it is also included as part of the Construction Specialist apprenticeship (thermal insulation pathway), whereby it may be taken alongside the Pearson BTEC Level 2 Diploma in Thermal Insulation. The BTEC is intended as a technical qualification, covering the required knowledge and skills to prepare learners for the workplace in this role. As such, it may be taken outside of work, alongside the NVQ, or prior to starting work, in a College or through a private training provider.

What does this qualification cover?

This qualification is based on the latest National Occupational Standards for Installing Thermal Insulation and covers the skills, techniques and workplace knowledge required to install specialist installation in commercial settings. Specifically, this includes units in confirming to general health, safety and welfare in the workplace, conforming to productive working practices in the workplace, moving, handling and storing resources in the workplace, applying insulation and finishes to cylindrical and flat surfaces in the workplace.

Learners must then choose between pathways in fabrication or fitting.

The fabrication pathway is chosen where the job role requires the fabrication of sheet metal, from pre existing templates, to protect and insulate, for example, pipes, ducts, vessels and fittings in commercial or domestic settings.

The Fitting pathway is chosen where the job role requires the fitting of sheet metal insulation to protect the above components.

Whether fabricating or fitting, learners will demonstrate the competence to work safely, selecting appropriate materials for quantity and quality, and completing information within the required timescales and to contract specifications.

Who can take this qualification?

This qualification is for all learners aged 16 and above who are capable of reaching the required standards and have opportunity to demonstrate practical skills in a realistic construction working environment. Learners do not need any prior qualifications, knowledge or experience before starting the qualification. They are likely, however to be working as thermal insulators / engineers or be able to take on such responsibilities as progression or secondment from their current construction role.

What can this qualification lead to?

Learners may use the qualification to gain employment as Thermal Insulation Engineers and Installers. It can also be used as a route towards achievement of Construction Card Competence Schemes, which show on-site competence to prospective employers, where applicable. Learners may progress to higher level qualifications, particularly Occupational Work Supervision, or Construction Site Supervision, if their role develops to take on work in a supervisory, leading or inspection capacity.

Who supports this qualification?

This qualification is supported by the Thermal Insulation Contractors Association Ltd; a trade body representing the sector. It is based on occupational standards and QCF competence units written by the Construction Industry Training Board (CITB) in consultation with their employer working group, and as such, the NVQ is supported by these organisations.

How is this qualification assessed?

A portfolio of evidence gathered from a range of sources including workplace activities and realistic work environments, professional discussions, questioning and observation of performance