

Unit: ConClip 7 • Insulation • Insulation of Cavity Walls
Unit Level: Proposed level 3

Guided Learning Hours: To be agreed

Unit Credit value: To be agreed

Assessment guidance:

This Unit must be assessed in a work environment. Assessors for this Unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods including Observation of candidate performance and questioning. Where appropriate, the candidate may present a portfolio of work activities showing their knowledge, as part of the assessment including photograph evidence.

Learning Outcomes and Assessment Criteria

Learning Outcome – The Learner will:	Assessment Criterion – The Learner can:
1. Interpret information relating to the work and resources when insulating cavity walls	1.1 Interpret relevant information from drawings, specifications and suppliers information
	1.2 Comply with information and /or instructions from risk assessments and method statements
	1.3 State how to report inappropriate information and unsuitable resources and how they are rectified
2. Select the required quantity and quality of resources to insulate cavity walls	2.1 Select resources in relation to additional manpower, materials, components, fixings, tools and equipment to provide insulation to cavity walls
	2.2 Describe how the resources should be used correctly and how possible problems are reported
	2.3 Describe how to calculate quantity, length, area and wastage associated with the methods/procedures to insulate cavity walls
3. Comply with information to insulate cavity walls and prepare components	3.1 Demonstrate the following work skills when insulating cavity walls to airtight specifications: Measuring, marking out, cutting, fitting, finishing, positioning, sealing and securing
	3.2 Ensure masonry surface of bearing wall is flat and without protruding mortar
	3.3 Ensure there are no cavities between insulation boards and load-bearing wall

	3.4 Attach water-repellant insulation on the base point by attaching two layers
	3.5 Cut repellent insulation boards to have an outward slope on upper side and heat sealing with hot air to fit firmly on clinker wall
	3.6 Drill holes for cavity wall anchors/ties (depending on structure of masonry and thickness of boards) to correct depth and position
	3.7 Attach anchors to wall securely using appropriate tools
	3.8 Fix insulation boards in corners ensuring boards are dry and free from dirt ensuring first board is cut obliquely at bottom
	3.9 Ensure all boards are staggered in each row
	3.10 Secure second layer of insulation panels in position using plastic clip and make sure boards are closely attached to each other
	3.11 Assemble exposed brickwork ensuring there is no mortar between boards and façade brickwork
	3.12 Attach wooden plates over joints to keep mortar out of air spaces
	3.13 Ensure anchor in bed joints is grouted well and remove slats for following rows of bricks
	3.14 Ensure there are open, vertical joints at upper and lower levels for ventilation
4. Minimise the risk of damage to the work and surrounding area	4.1 Dispose of waste in accordance with instructions
	4.2 Describe the needs of other occupations and how to effectively communicate within a team when insulating cavity walls
	4.3 Describe how to maintain tools and equipment used when insulating cavity walls