

**Unit: ConClip 2 • Airtightness • Window Installation in Exterior Brick Wall with Insulation**
**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.

**Learning Outcomes and Assessment Criteria**

<b>Learning Outcome – The Learner will:</b>	<b>Assessment Criterion – The Learner can:</b>
1. Interpret information relating to the work and resources when installing windows	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 install windows	2.1 Select resources in relation to additional manpower, materials, components, fixings, tools and equipment to install windows
	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 install windows
3. Comply with information to install windows and prepare components	3.1 Demonstrate the following work skills when installing windows to airtight specifications: Measuring, marking out, cutting, fitting, finishing, positioning, sealing and securing
	3.2 Check opening to make sure there is at least 1cm gap above the size of the window frame on all sides

	<p>3.3 Ensure jamb opening is smooth and even by applying plaster to brick surfaces, which is reinforced with appropriate fabric, and flattened</p> <p>3.4 Apply recommended self-adhesive sealing tape continuously on all sides, inside and outside of the window frame, with over-lengths on corners to close gaps</p> <p>3.5 Ensure tape forms a strong bond with frame and that previously applied plaster to jambs is thoroughly dry before proceeding</p>
4. Install window frame and sash	<p>4.1 Insert and align frame into opening and fix with wedges and spacer blocks</p> <p>4.2 Fix and secure frame to masonry through drilling screws following manufacturer's instructions</p> <p>4.3 Mount sash to frame to confirm correct level and alignment before proceeding</p> <p>4.4 Fill gap between frame and masonry with recommended polyurethane foam using a consistent even flow</p> <p>4.5 Before proceeding, ensure foam is hardened off</p> <p>4.6 Cut foam evenly in line with the window frame to form a level surface</p> <p>4.7 Firmly secure self-adhesive tape, which is pressed smooth, around all sides of the soffit and brickwork</p> <p>4.8 Once frame is installed, undertake appropriate work in preparation for completing any further work on jambs</p>
5. Minimise the risk of damage to the work and surrounding area	<p>5.1 Dispose of waste in accordance with instructions</p> <p>5.2 Describe the needs of other occupations and how to effectively communicate within a team when installing windows</p> <p>5.3 Describe how to maintain tools and equipment used when installing windows</p>