Resources required for delivering L3 Diploma in Bricklaying

Bricklaying

Note: Areas and sizes given are the preferable requirements to deliver the qualification.

Work areas

Area 1  Workshop having approximately 3m² floor space per trainee.

To enable forms of low level access to be erected, a roof clearance height of approximately 4m is recommended.

Area 2  Covered or part-covered area of approximately 50m². To enable scaffold and other forms of access to be erected, a roof clearance height of approximately 6m is recommended.

Area 3  An unpaved area allowing for setting out and transfer of levels, ideally grassed area(s) clear to a depth of 0.5m to be able to carry out multiple group levelling and setting out exercises, or designated hardstand areas that can be used for setting and marking out.

Additionally

Area of about 20m², preferably adjacent to the Area 1 and Area 2 locations, for a mortar mill or mixer, with water supply and storage, mixing area and wash down facilities and bays for aggregates and sands.

Tools & Equipment

Appropriate and adequate supplies of:

Measuring, marking and setting out equipment; e.g.  
- measuring tapes, spirit levels and straight edges, builders square, profile boards, ranging lines, pegs, automatic levels, staffs, gauging box (or equivalent), wheelbarrows, shovels, brushes/brooms

Bricklayers tools:  
- trowels, chisels, hammers, pointing irons, chalk  
- Templates/rigs for roofing/chimney breasts, flues, pipe ducts  
- cavity wall ties,  
- cavity trays,  
- lintels,  
- temporary supports/rigs for arch construction

Materials & Resources

Appropriate and adequate supply of:

- standard size common reclaimed bricks, facing bricks, engineering bricks, plinth bricks  
- lightweight blocks standard and thin joint type  
- thin joint adhesive( training adhesive can be used )  
- DPC material – flexible and rigid  
- sand, lime, water
- additives e.g. powder or liquid for producing coloured mortar for decorative finishing

Personal Protective Equipment – appropriate and adequate supplies of: gloves, eye and ear protection, protective clothing, masks/respirators, barrier creams etc.

**Storage Areas**

- Secure, dry and ventilated stores for bagged materials e.g. cement, lime mortar, additives, shovels, hand tools etc.
- Part-covered secure area with racking for access equipment, props and struts, drainage goods, bricks, blocks, lintels etc.

**Waste Disposal**

Designated area(s) for containers/skips, bags or other means of waste disposal.

**NOTE:** each practical assignment for this qualification will outline any further resource requirements