

Unit 32: Plastering and Rendering Surfaces

Unit code: J/503/4945

QCF Level: 2

Credit value: 10

Guided learning hours: 100

Unit aim and purpose

This unit should enable learners to gain the knowledge needed to plaster and render surfaces. Learners will know how to select the correct tools and equipment, prepare surfaces and apply plaster and render over plaster boards and solid walling.

Learning outcomes and assessment criteria

In order to pass this unit, the evidence that the learner presents for assessment needs to demonstrate that they can meet all the learning outcomes for the unit. The assessment criteria determine the standard required to achieve the unit.

Learning outcomes	Assessment criteria
1 Understand how to prepare for plastering and rendering activities	1.1 interpret information to carry out a given task to a contractor specification 1.2 describe resources required to carry out a given task, including calculation of quantities 1.3 describe surface preparations to receive plaster and render, applying safe working practices 1.4 describe how to fix ceiling boards plaster and render surfaces to a given method statement
2 Be able to use safe working practices to plaster and render surfaces to a given method statement	2.1 apply plaster to surfaces to a given method statement 2.2 apply render to surfaces and finish to a given method statement

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Unit content

1 Understand how to prepare for plastering and rendering activities

Information: organisational responsibilities under current legislation and official industry guidance; organisational procedures for reporting of incidents (accidents, incorrect information, defective equipment, security); drawings; specifications; schedules; written method statement; manufacturer's information

Resources: substrata characteristics, quality, uses, limitations, hazards and defects associated with resources (plasters, cements, limes and sand, additives, hand and/or mixers and ancillary equipment); materials: (plasterboards (base, wall and thermal board) sand/lime/cement; browning; bonding; finish and board finish plaster; scrim; angle bead; fixings/nails/screws; adhesive/sealant); calculation of quantities required using appropriate formulae; tools (trowels; floats; hawk; rule; scratcher; darby; plastic float; Stanley knife; hand mixer; featheredge; wet brush; mixing tub; snips; tape measure; club hammer; mixing shovel; tin snips; claw hammer; spirit level); equipment (petrol and electric mixers; hand mixer; drill; whisk; low-level access platforms; hop ups; ladder; tower scaffolds); Care for tools: (safely use, clean, maintain and store hand tools, mixers, portable power tools and ancillary equipment); calculations: (quantity, length, area and wastage associated with the method/procedure to prepare and mix plastering and rendering materials)

Preparation of surfaces: solid plaster backgrounds, boarded, walls (brick, thermal and dense concrete block, stone metal and timber stud); work at height; use hand tools, power tools and equipment; removal of loose or semi-loose materials; leaning of walls; application of sealant to walls; removal and replacement of plasterboard; angle beads; scrim tape to cover all joints

Safe working practices: working below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials (manual handling and mechanical lifting); protection of work (resources and surrounding areas from damage, arising from work activities, ensuring a clean and tidy work area, compliance with health and safety legislation); disposal of waste in accordance with legislation and best practice (minimisation of creation of waste, costs of disposal); use and purpose of Personal Protective Equipment (PPE)

Prepare and mix: gauging and mixing; dense and lightweight plastering systems; backing and finishing plasters; measuring, marking out, cutting, keying and brushing; removal of obstructions

2. Be able to use safe working practices to plaster and render surfaces to a given method statement

Apply plaster: applying, finishing; vertical and horizontal surfaces in new situations; one-coat work; two-coat work; internal and external angles; reveals, walls, ceilings; mix plasters; prepare backgrounds; boarding to ceilings (base, wall and thermal board); work at height; use of hand tools and equipment; temporary electricity (low voltage, powered hand tools and local lighting)

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Apply render: external backgrounds (brick, block, concrete surfaces); bellcasts; internal and external angles; reveals; walls; installation of expanded metal lath (EML); application and finish (smooth and pebbledash); single and two coat render to external walls

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