

Unit 39: Developing Advanced Skills in In-Situ Mould Preparation and Application

Unit code: D/503/5776

QCF Level: 3

Credit value: 20

Guided learning hours: 200

Unit aim

This unit enables learners to understand the tools, equipment and working techniques used to perform fibrous plaster operations to complex shapes. It gives learners the opportunity to develop skills used in producing work where a high degree of accuracy and quality is required.

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 the use of plastering materials to form complex mouldings	1.1 outline the use of working drawings for complex mouldings 1.2 describe the use of information sources for forming complex mouldings 1.3 outline the importance of compatibility between backgrounds, backing and finishing plaster 1.4 identify the use of materials for in-situ work 1.5 identify the limitations of materials for in-situ work 1.6 describe the correct storage of plasters
2 Understand the use of plasterwork in society	2.1 explain the importance of conservation work in relation to plasterwork

	2.2 identify classical orders of architecture
3 Understand the preparation required to form mouldings	3.1 explain the preparation of internal and external backgrounds 3.2 explain methods used in the preparation, forming and finishing of plastering materials to form mouldings
4 Be able to plan for the preparation, application and finish of plastering materials to form mouldings	4.1 produce working drawings for running moulds for a given in-situ moulding project 4.2 calculate quantities of materials for a given in-situ moulding project 4.3 construct running moulds 4.4 select tools, equipment and materials for a given in-situ moulding project 4.5 prepare tools, equipment and materials for a given in-situ moulding project
5 Be able to prepare, apply and finish plastering materials to form mouldings	5.1 carry out preparation for backgrounds and installing bracketing 5.2 apply and finish in-situ moulded plasterwork to solid and applied backgrounds 5.3 keep work area clean and tidy

Unit content

1 Understand the use of plastering materials to form mouldings

Information sources: working drawings for complex mouldings; specifications for in-situ moulded work

Materials: in-situ work (internal, external); lime; sand; plaster; cement

Correct storage of plasters: bag material; liquids; reinforcement; moulds; timber

2 Understand the use of plasterwork in society

Classical orders of architecture: columns; capitals; entablature; arches

Conservation: historic buildings; artefacts; listed building consents

3 Understand the preparation, forming and finish of plastering materials to form mouldings

Preparation of internal and external backgrounds: application and finish of plain and decorative in-situ moulded work (internal work, external work) eg cornices, dados, columns, panels, arches; bracketing; sequence of mixing plastering materials (internal work, external work); tools and equipment requirements; health and safety considerations

Methods: for application and finish of plain and decorative in-situ moulded work; for forming internal and external moulded angles; for forming curved mouldings and raking; for mixing plastering materials

4 Be able to plan for the preparation, application and finish of plastering materials to form mouldings

Working drawings: materials specification; size; running moulds (eg panels, skirtings, cornices, raking, curved, angles, dados, arches)

Preparation of materials: line putty; casting plaster; proprietary systems; moulds

5 Be able to prepare, apply and finish plastering materials to form mouldings

Backgrounds: solids; applied; bracketing; mould (cornice, dado, arches, panel); run down; short breaks; returns; internal and external mitres

Work area cleanliness: compliance with health and safety requirements