



## Higher National Unit specification

### General information for centres

**Unit title:** Plastering: Modern Plastering Techniques

**Unit code:** F8PY 34

**Unit purpose:** This Unit is designed to enable candidates to develop a knowledge and understanding of modern plastering techniques. The underpinning knowledge will enable candidates to plan and prepare for the practical tasks in producing machine applied finishes and Ames taping and cove finishes

On completion of the Unit the candidate should be able to:

- 1 Explain dry-lining techniques and specialist application methods in internal and external plastering.
- 2 Produce machine applied finishes.
- 3 Produce dry-lining, taping and coving finishes.

**Credit points and level:** 1 HN credit at SCQF level 7: (8 SCQF credit points at SCQF level 7\*)

*\*SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

**Recommended prior knowledge and skills:** Access to this Unit is at the discretion of the centre. However it is recommended that candidates have completed the Professional Development Award in Plastering at SCQF level 6 or have the equivalent level of industrial experience and prior learning.

**Core Skills:** There are opportunities to develop the Core Skill(s) of *Communication, Numeracy* and *Problem Solving* all at SCQF level 5 and *Information and Communications Technology* at SCQF level 4 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.'

**Context for delivery:** If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes. This Unit was developed as part of the Professional Development Award in Plastering at SCQF level 7 and is aimed at candidates following a career in Plastering and receiving complementary industrial experience.

## **General information for centres (cont)**

**Assessment:** The candidate will be given the opportunity to enhance their skills and knowledge in plastering by learning about dry-lining techniques and specialist application methods in internal and external plastering, techniques and practices used to produce machine applied finishes and dry-lining, taping and coving finishes should be integrated in the practical tasks undertaken. The principles and techniques should be explained throughout the practical activities.

This Unit is assessed on the candidates' performance of constructing a reverse mould for the production of a barrel ceiling and lunette and the ability to meet the Evidence Requirements in all Outcomes.

In order to achieve this Unit, candidates are required to present sufficient evidence that they have met all the Knowledge and/or Skills elements for each Outcome. Details of these requirements are given for each Outcome.

The assessment instruments used should follow the general guidance offered by the Scottish Qualifications Authority (SQA) assessment model and an integrative approach to assessment is encouraged. (See references at the end of support notes).

Evidence will be gathered through observation of work processes and assessment of completed work. Assessment should be carried out under controlled, supervised conditions. Candidates must achieve all of the Knowledge and/or Skills and Evidence Requirements specified for each Outcome to gain this Unit. Centres may use the instrument of assessment which they consider to be most appropriate but are advised to use the Plastering Training and Assessment Programme (TAP) which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been through prior verification.

Accurate records should be made of the assessment instruments used showing how evidence is generated for each Outcome and giving marking schemes, checklists and recorded candidate feedback. Records of candidates' achievements should be retained. These records will be made available for external verification.

### **Outcome 1**

The assessment for these Outcomes should be composed of an appropriate balance of annotated drawings, assignment, short answer, restricted response and structured questions. Assessment should be conducted under supervised, controlled conditions. Written assessment should not exceed 3 hours in duration.

### **Outcome 2 and 3**

Practical assessment for these Outcomes will involve the candidates planning, selecting materials, tools/machinery, preparing areas for the application of internal plaster finish, external render finish to given areas.

## **Higher National Unit specification: statement of standards**

### **Unit title:** Plastering: Modern Plastering Techniques

The sections of the Unit stating the Outcomes, Knowledge and/or Skills, and Evidence Requirements are mandatory.

### **Outcome 1**

Explain dry-lining techniques and specialist application methods in internal and external plastering

#### **Knowledge and/or Skills**

- ◆ Material selection
- ◆ Material properties
- ◆ Types of background and surfaces
- ◆ Preparation of backgrounds and surfaces
- ◆ Application of materials
- ◆ Health and Safety requirements

#### **Evidence Requirements**

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ identify and explain selection of materials for given situations
- ◆ give reasons for the selection of materials by identifying their properties
- ◆ give reasons for the suitability of a material on a range of backgrounds
- ◆ explain the preparations of backgrounds and the techniques used in the application of dry-lining
- ◆ identify health and safety requirements

All the Evidence Requirements must be met and all items in the knowledge and skills covered. Evidence should be gathered through an assignment outlining dry lining techniques. The assessment for this Outcome will be open-book and will be carried out in a supervised environment. You will have access to your own notes, that you have prepared personally for your own use from handouts and information sourced from trade literature or internet sites.

#### **Assessment Guidelines**

In any assessment of this Outcome all Knowledge and/or Skills items should be included. Candidates must provide a satisfactory response to all items

Evidence should be generated through assessment undertaken in controlled, supervised conditions. Assessment will be in the form of open-book.

All working practices must be in line with current and relevant Health and Safety legislation and regulations.

In any assessment of this Outcome all knowledge and/or skill items should be included. Candidates must provide a satisfactory response to all items. Evidence should be generated through assessment undertaken in controlled, supervised conditions

## Higher National Unit specification: statement of standards (cont)

**Unit title:** Plastering: Modern Plastering Techniques

### Outcome 2

Produce machine applied finishes

#### Knowledge and/or Skills

- ◆ Preparation of backgrounds and surfaces
- ◆ Machine preparation and set up
- ◆ Application of machine applied materials
- ◆ Health and Safety requirements

#### Evidence Requirements

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can:

- ◆ prepare backgrounds for the application of machine applied plaster
- ◆ set up and prepare machine for plaster application following all manufacturers instructions
- ◆ apply machine plaster to specifications
- ◆ follow current safe working practices
- ◆ minimise the waste of materials throughout practical work
- ◆ work to specified tolerances identified in the specification

The following will assist the assessor in judging the candidate performance against the Evidence Requirements

<b>Background Preparation</b>	
Background preparation	Joints raked, brushed down and adequate control of background suction
<b>Machine set up</b>	
Machine set up	Assemble machine components following all manufacturers instructions
<b>Machine mixing</b>	
Machine mixing	Mixing carried out to manufactures instructions
Machine mixing	Material free from dry materials
Machine mixing	Material mixed to a uniform consistency
<b>Plaster application</b>	
Plaster application	Sprayed in ribbon formation to allow plaster to run together
Plaster application	Thickness 13mm +/- 2mm
Plaster finish	Plumb +/- 2mm
Plaster finish	Ruled flat +/- 2mm without
Plaster finish	Ruled in with spatula +/- 2mm
Plaster finish	Sponge floated sufficiently to raise the fat for finishing
Plaster finish	Finished to a smooth finish with blemishes not exceeding 5% of overall area.
<b>Machine cleaning</b>	
Hopper	As per manufacturer's instructions
Hoses	As per manufacturer's instructions

Health and safety	Complies at all times
Risk assessment	Safety boots worn at all times Hard hat worn at all times High visibility vest worn at all times All other PPE as risk assessed
Method statement	Working area kept clean at all times Materials stacked safely at all times Tools handled correctly at all times Tools cleaned and stored safely at end of working day

### Assessment Guidelines

This Outcome is assessed on the candidates' actual performance of setting up machine for spray plastering and application of plaster to given specification and required tolerances.

Assessment should be carried out in a suitable workshop environment. Timing for this assessment should be determined prior to commencement. An observation checklist should be completed to ensure the candidate has evidenced all the knowledge and skills included in this Outcome to the specifications and tolerances required.

### Outcome 3

Produce dry-lining, taping and coving finishes

#### Knowledge and/or Skills

- ◆ Prepare backgrounds
- ◆ Cut and fix dry lining
- ◆ Prepare backgrounds
- ◆ Application of machine/or hand applied taping materials
- ◆ Cut and Fix plasterboard coving in-situ
- ◆ Health and Safety requirements

#### Evidence Requirements

- ◆ prepare backgrounds for the application of dry lining
- ◆ cut and fix plasterboard to prepared area
- ◆ prepare backgrounds for the application of machine/or hand applied taping materials
- ◆ produce taped finished surfaces ready for painting
- ◆ install coving including a straight section with internal, external and stop end return
- ◆ follow current safe working practices
- ◆ minimise the waste of materials throughout practical work
- ◆ work to specified tolerances identified in the specification
- ◆ follow current safe working practices
- ◆ minimise the waste of materials throughout practical work
- ◆ work to specified tolerances identified in the specification

Candidates will need to provide evidence to demonstrate their Knowledge and/or Skills by showing that they can: Prepare backgrounds for dry lining. Set up and use a machine or hand tools for the application of taping materials. Prepare background and fix plasterboard coving to include internal, external and stop end joints. Identify Health and Safety requirements.

## **Higher National Unit specification: statement of standards (cont)**

**Unit title:** Plastering: Modern Plastering Techniques

### **Assessment Guidelines**

This Outcome is assessed on the candidates' actual performance of setting out and constructing a reverse drum incorporating a lunette to given specification and required tolerances.

Candidates should use a produced drawings and specifications for the practical task. Assessment should be carried out in a suitable workshop environment. Timing for this assessment should be determined prior to commencement. An observation checklist should be completed to ensure the candidate has evidenced all the knowledge and skills included in this Outcome to the specifications and tolerances required.

## Administrative Information

**Unit code:** F8PY 34

**Unit title:** Plastering: Modern Plastering Techniques

**Superclass category:** TG

**Original date of publication:** August 2010

**Version:** 01

### History of changes:

Version	Description of change	Date

### Source: SQA

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## **Higher National Unit specification: support notes**

### **Unit title: Plastering: Modern Plastering Techniques**

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40hours.

### **Guidance on the content and context for this Unit**

This Unit has been developed to allow candidate to gain knowledge, understanding and skills in the following areas:

- ◆ Explain dry-lining techniques and specialist application methods in internal and external plastering.
- ◆ Produce machine applied finishes.
- ◆ Produce dry-lining, taping and coving finishes.

This Unit is at SCQF level 7 and is an optional Unit within the Professional Development Award in Plastering at SCQF level 7. It is also suitable for delivery as a freestanding Unit.

### **Guidance on the delivery and assessment of this Unit**

The content of this Unit builds on the knowledge and understanding of plastering skills gained in the Professional Development Award in Plastering at SCQA Level 6. It is recommended that evidence for learning Outcomes is achieved through well-planned course work, assignments and projects. Assessment may be formative and summative and both may feature as part of the process. Although assessments must be focused on the individual achievement of each candidate, group work may contribute to the assessment. Integrative assignments and project work will help to link this Unit with other units.

The volume of evidence required for each assessment should take into account the overall number of assessments being contemplated within this Unit and the design of the overall teaching programme. In designing the assessment instrument/s, opportunities should be taken to generate appropriate evidence to contribute to the assessment of Core Skills units.

Throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Sustainability should include reference to criteria affecting sustainability, impact of not implementing sustainability on the environment and the legislation promoting sustainability.



## **Higher National Unit specification: support notes (cont)**

### **Unit title:** Plastering: Modern Plastering Techniques

#### *Opportunities for developing Core Skills*

*Communication* skills at SCQF level 5 may be developed by the completion of the assessment in Outcome 1. Candidates are required to produce a written assignment to outline modern plastering techniques.

*Information and Communication Technology* at SCQF level 4 may be developed by the candidates' carrying out individual research of modern techniques, health and safety legislation and sustainability relating to the task.

*Problem Solving* at SCQF level 5 could be developed as candidates compare and contrast modern and traditional techniques. Candidates will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, appropriate materials, safety issues, safety equipment and sustainability. Individual discussions with assessors will enhance the evaluation of efficient working practices.

*Numeracy* could be developed at SCQF level 5 when taking off dimensions from working drawings, measuring, calculating and setting out.

### **Open learning**

This Unit could be delivered through distance learning, which may incorporate some degree of on-line support. However, with regard to assessment, planning would be required by the centre concerned to ensure the sufficiency and authenticity of candidate evidence. Arrangements would be required to be put in place to ensure that assessment/s were conducted under controlled, supervised conditions.

### **Disabled candidates and/or those with additional support needs**

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website

[www.sqa.org.uk/assessmentarrangements](http://www.sqa.org.uk/assessmentarrangements)

## General information for candidates

### Unit title: Plastering: Modern Plastering Techniques

This Unit is designed to develop your practical skills and knowledge of Modern Plastering Techniques. You will develop your understanding of modern and traditional practices and techniques and comply with sustainability issues and current Health and Safety legislation throughout the Unit.

You will have to demonstrate your knowledge and understanding of work methods by Explaining and illustrating dry-lining techniques and specialist application methods in internal and external plastering. You will also be required to demonstrate your plastering skills by producing machine applied finishes and dry-lining, taping and coving finishes to given specifications.

You will learn about sustainability issues and how new materials, techniques and systems can have an impact on improving the sustainability in general and you will comply with current Health and Safety regulations and legislation throughout.

Outcome 1: Explain dry-lining techniques and specialist application methods in internal and external plastering

In the assessment you will be required to answer question papers explaining and illustrating the selection of materials and properties for a given task. Identify backgrounds and preparation prior to the application of plastering materials.

This could be conducted as an assignment in a classroom environment lasting up to three hours. The assessment for this Outcome will be open-book and will be carried out in a supervised environment. You will have access to your own notes, that you have prepared personally for your own use from handouts and information sourced from trade literature or internet sites.

Outcome 2: Produce machine applied finishes.

You will be assessed in your ability to:

- ◆ preparation of backgrounds and surfaces
- ◆ machine preparation and set up
- ◆ application of machine applied materials
- ◆ health and safety requirements

In this assessment you will be required set up a plastering spraying machine and apply spray plaster to given specifications. You will be assessed in supervised workshop conditions to specified tolerances contained in an observation checklist. These tolerances should be fully explained and available prior to you commencing the assessment. You will be required to work individually for the assessment and where required in pairs. You will receive both oral and written feedback on your performance from the assessor

## General information for candidates (cont)

### Unit title: Plastering: Modern Plastering Techniques

Outcome 3: Produce dry-lining, taping and coving finishes

You will be assessed in your ability to:

- ◆ prepare backgrounds
- ◆ cut and fix dry lining
- ◆ prepare backgrounds
- ◆ application of machine/or hand applied taping materials
- ◆ cut and fix plasterboard coving in-situ
- ◆ health and safety requirements

In this assessment you will be required to prepare backgrounds for the application of dry lining, apply machine or hand taping and fix plasterboard cove in-situ. You will be assessed in supervised workshop conditions to specified tolerances contained in an observation checklist. These tolerances should be fully explained and available prior to you commencing the assessment. You will be required to work individually for the assessment and where required in pairs. You will receive both oral and written feedback on your performance from the assessor

There are opportunities for you to develop your Core Skills of *Communication*, *Numeracy*, *Working with others* and *Problem Solving* all at SCQF level 5 and *Information and Communication Technology* at SCQF level 4 in this Unit, although there is no automatic certification of Core Skills or Core Skills components.