

National Unit Specification: general information

UNIT	Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)
CODE	DM7Y 10
COURSE	Construction Crafts (Intermediate 1)

SUMMARY

This Unit is suitable for candidates who have limited or no experience of painting and decorating craft practices. The Outcomes require the candidate to select and use the correct tools, equipment and materials required to produce a variety of finishes using water-borne paints, including matt finish, silk finish, eggshell finish and a manufactured dual application paint finish. The work throughout will be based on recognised craft practices including working in an organised and safe manner. Candidates will also develop general skills which will enhance employability.

The Unit is an optional Unit in the Intermediate 1 Construction Crafts Course but can also be taken as a free-standing Unit. Candidates who achieve this Unit should feel confident in progressing to further Units in painterwork at Intermediate 1 or Intermediate 2.

OUTCOMES

- 1 Select, use and manage tools, equipment and materials.
- 2 Produce matt, silk and eggshell finishes using water-borne paints.
- 3 Produce a simple proprietary dual application finish using water-borne materials.

RECOMMENDED ENTRY

Entry is at the discretion of the centre.

Administrative Information

Superclass:	TE
Publication date:	April 2007
Source:	Scottish Qualifications Authority
Version:	02

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National Unit Specification: general information (cont)

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(Intermediate 1)

CREDIT VALUE

0.5 credit at Intermediate 1 (3 SCQF credit points at SCQF level 4*).

**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.*

CORE SKILLS

There is no automatic certification of Core Skills in this Unit.

Opportunities for developing aspects of Core Skills are highlighted in *Guidance on Learning and Teaching Approaches for this Unit*.

National Unit Specification: statement of standards

UNIT Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)

Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit Specification. All sections of the statement of standards are mandatory and cannot be altered without reference to the Scottish Qualifications Authority.

OUTCOME 1

Select use and manage tools, equipment and materials.

Performance Criteria

- (a) The selection of tools is correct for specified tasks.
- (b) The selection of equipment is correct for specified tasks.
- (c) The selection of materials is correct for producing specified finishes.
- (d) Tools and equipment are cleaned, maintained and stored correctly in accordance with good trade practice.
- (e) Health and safety requirements are complied with during all activities.

OUTCOME 2

Produce matt, silk and eggshell finishes using water-borne paints.

Performance Criteria

- (a) A water-borne paint to produce a matt finish is applied in accordance with a given specification.
- (b) A water-borne paint to produce a silk finish is applied in accordance with a given specification.
- (c) A water-borne paint to produce an eggshell finish is applied in accordance with a given specification.
- (d) Quality checks against recommended standards are carried out on the finished work.
- (e) Health and safety requirements are complied with during all activities.

OUTCOME 3

Produce a simple, proprietary dual application finish using water-borne materials.

Performance Criteria

- (a) A proprietary water-borne base coat is applied correctly.
- (b) A proprietary water-borne top coat is applied and finished correctly.
- (c) A quality check against recommended standards is carried out on the finished work.
- (d) Health and safety requirements are complied with during all activities.

National Unit Specification: statement of standards (cont)

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EVIDENCE REQUIREMENTS FOR THIS UNIT

Performance evidence is required to show that all Outcomes and Performance Criteria have been achieved.

Performance evidence will be supported by an assessor checklist. This evidence will be generated from an integrated assignment consisting of practical activities carried out in supervised workshop conditions. The evidence may be gathered at different points throughout the Unit. The practical activities will cover:

- ◆ choosing the correct tools and materials for particular tasks, using them in a correct and safe manner, and cleaning and storing them correctly after use
- ◆ producing and applying matt, silk and eggshell finishes using water-borne paint on a prepared wall area or sample board
- ◆ applying a water-borne basecoat correctly
- ◆ applying and finishing a water-borne topcoat correctly
- ◆ producing a simple, proprietary dual application finish correctly using water-borne materials
 - applying a water-borne basecoat correctly
 - applying and finishing a water-borne topcoat correctly
- ◆ keeping surrounding areas clean and free from debris
- ◆ candidates carrying out a quality check on their own work before submitting for final assessment
- ◆ candidates maintaining a clean and tidy workplace and adhering to health and safety requirements throughout all activities

Examples of each specified matt, silk and eggshell finish should be presented on suitably prepared wall areas or sample boards, which each measure no less than two square metres in area.

An example of the proprietary dual application finish should be presented on a suitably prepared wall area or sample board which measures no less than one square metre in area.

The National Assessment Bank item (NAB) for this Unit provides an assessor checklist and details of the practical assignment which exemplify the national standard. Centres wishing to develop their own assessments should refer to the NAB to ensure a comparable standard.

National Unit Specification: support notes

UNIT Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)

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 20 hours.

GUIDANCE ON THE CONTENT AND CONTEXT FOR THIS UNIT

The content in this Unit covers the practical tasks involved in producing matt, silk and eggshell finishes, and in producing a proprietary dual application finish. Candidates will learn to recognise the range of tools and equipment needed to produce examples of the stated paint finishes. They will also learn to identify and explain the differences between the various finishes. Candidates will develop skills in producing acceptable examples of each type of finish.

It is important that the learning takes place in a supervised workshop/site environment. Basic safe working practices will be included in the content as it is important that candidates learn to adhere to these at all times.

During the process of practical work, the candidate will become accustomed to the use of painterwork terms and will be able to demonstrate knowledge and understanding of these terms in everyday practice. Candidates should be taught good working practices at each stage and should learn how to carry out a quality check on their own work on completion.

Candidates should be made aware of different application methods such as brushes and paint rollers. Manufacturers' information and marketing materials should be readily available to raise candidates' awareness of products. They should also learn to use equipment to keep surrounding areas clean and undamaged, eg masking tape, dust sheets, etc. Some awareness of the ecological benefits of using exclusively water-borne materials may be incorporated as supplementary underpinning knowledge.

Different methods of application should be used to allow candidates sufficient practice with brushes and paint rollers and to experience the various types of finish, prior to being assessed. Candidates should complete their tasks using the following guidelines: brush application for the silk and eggshell finishes and roller application for the matt and proprietary dual application finishes.

In addition to the vocational content, candidates should be encouraged to focus on the general skills and attitudes which employers value. These should be taught as an integral part of the Unit. Opportunities will arise in various practical contexts to discuss the value of, for example: time-keeping; working co-operatively; taking advice; maintaining a clean, tidy and organised workplace; planning and thorough preparation. The context for learning should include the requirement to be clean, presentable and appropriately dressed for the workshop, wearing personal protective equipment (PPE) including protective clothing when required.

Relevant aspects of current health and safety legislation and any systems of work relevant to the candidates' workshop/workplace should be explained and adhered to as part of the work of this Unit.

National Unit Specification: support notes (cont)

UNIT Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)

Employability Skills

On completion of this Unit the candidate will have had opportunities to develop the following employability skills:

- ◆ timekeeping
- ◆ attendance
- ◆ following instructions
- ◆ taking advice and dealing with constructive feedback
- ◆ maintaining a tidy work area
- ◆ working co-operatively with others
- ◆ planning and preparation*
- ◆ checking quality of own work*
- ◆ positive attitude to learning
- ◆ review and self-evaluation
- ◆ awareness of health and safety issues*
- ◆ interpretation of graphic information

Achievement in a number of these employability skills (those marked with an asterisk) will be clearly identified as a result of the evidence generated through the assessment activities for this Unit. There are opportunities to develop the remaining skills.

GUIDANCE ON LEARNING AND TEACHING APPROACHES FOR THIS UNIT

Experiential learning is the main approach recommended for this Unit. This involves learning through practical experiences and activities. Candidates should experience workplace conditions and should be encouraged to perform tasks and conduct themselves in a manner appropriate to the workplace.

Experiential learning also involves reflecting on experiences/activities, identifying strengths and areas for improvement. It is important to encourage candidates throughout the Unit to evaluate their own work and progress. They should be encouraged to seek advice and set themselves goals to build competence and confidence in undertaking tasks.

In this Unit there are many opportunities to build up an understanding of the workplace ethos and the behaviours and practice required of employees and employers. Checking standards of work is a very useful skill and habit that candidates can develop during their work. For example, candidates can compare their own basecoat and topcoat work against sample panels of both prepared by their tutor.

The construction industry is very keen on producing work that is 'right first time' and quality checks are an inherent part of the work in the industry. Candidates can be encouraged to approach their work with care and build in a checking process as part of good practice.

Responsible, safe behaviour in the workplace can be demonstrated and practised as part of the routine essential work. For example, candidates must not leave open cans of paint in situations where they might readily be spilled, thus causing a slipping hazard; daily routines in the workplace will include maintaining a clean and tidy workspace.

National Unit Specification: support notes (cont)

UNIT Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)

Opportunities for developing aspects of Core Skills should be incorporated where they arise naturally in the teaching and learning process. In this Unit, candidates can make estimates of the quantity of paint required for different tasks. In doing so, they will deal with coverage and volume calculations.

This is a good opportunity for developing aspects of numeracy. Candidates will also read instructions on paint tins and health and safety data sheets; they will communicate with tutors, peers and visitors as they carry out their practical activities. Candidates will also read instructions for work activities, including the specifications of materials required for the practical activity; they will also take part in discussions with peers and tutors regarding work activities, materials, use of tools and workshop protocol; and at all times, clear and courteous communication with their peers, supervisors and technicians will be needed on use of workspace, tools and health and safety issues. All of these activities present opportunities for developing aspects of communication skills.

Candidates will also develop skills in working co-operatively with others regarding the use of shared materials, tools and equipment. They will also have to co-operate regarding the layout of the workshop and shared workspace.

Where this Unit is taken alongside the Unit *Construction Crafts: Employability Skills*, candidates will have additional opportunities to develop an awareness of the general employability skills and attitudes which employers value. Integrated activities will involve the candidate assessing his/her own performance on time-keeping, attendance, taking instructions, seeking advice, planning and preparation, working co-operatively with others and general attitude. Candidates will also seek the views of tutors/supervisors and will identify areas for improvement and take responsibility for action plans. These activities will add value to the candidate's experience and help to enhance employability.

Core Skills

There are opportunities to develop aspects of the Core Skills *Problem Solving* in this Unit. Candidates are required to check their own practical work against given standards and are required to review and evaluate their work.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

It is expected that candidates will be given as much practice as possible in the relevant techniques, prior to being set the assessment tasks. The National Assessment Bank item for the Unit details the quality and quantity of work to be produced for the Unit assessment.

Candidates should be made aware of what will be required of them in order to achieve the Unit. They should be encouraged to discuss the work with their teacher/lecturer and with their peers. Support and encouragement should be given throughout the Unit so that candidates become confident in their ability to achieve the Performance Criteria.

Previously finished examples should be shown and explained to candidates to enable them to become familiar with the different types of finishes and their uses.

National Unit Specification: support notes (cont)

UNIT Construction Crafts: Decorative Finishes Using Water-borne Paints (Intermediate 1)

Different methods of application should be used to allow candidates sufficient practice with brushes and paint rollers and to experience the various types of finish, prior to being assessed. Candidates should complete their tasks using the following guidelines: brush application for the silk and eggshell finishes and roller application for the matt and proprietary dual application finishes.

An observation checklist should be used when gathering performance evidence. The NAB item for this Unit provides an observation checklist. Centres may develop their own instruments of assessment but these must be of a comparable standard to the NAB.

CANDIDATES WITH DISABILITIES AND/OR ADDITIONAL SUPPORT NEEDS

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering alternative Outcomes for Units. Further advice can be found in the SQA document *Guidance on Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs* (www.sqa.org.uk).