

PROFFI239 (SQA Unit Code - FE51 04) Finish hand-crafted furniture



Overview

This standard addresses the competence required to apply hand-finishing polishes, waxes, oils, varnishes and lacquers to hand-crafted furniture. This involves

- 1 preparing finishes for use
- 2 applying finishes to surfaces
- 3 working in ways which maintain your own and others' safety

There is also a scope statement which defines the coverage of this standard.

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Performance criteria

Prepare oils, polishes, varnishes, waxes and lacquers for use

You must be able to:

- P1 organise the **materials, tools and equipment** you will need so that you can work effectively and keep your work area tidy
- P2 make sure that you have the required **work specification** and that everything you need to achieve it is available
- P3 make sure that the work environment is clean and free from debris and dust
- P4 mix the **finish** to the required volume, colour, consistency and viscosity
- P5 work in ways that prevent contamination of the **finish**
- P6 make sure that the **finish** is adequately filtered to remove any contamination and irregularities
- P7 use the appropriate standards to confirm that you have produced the correct colour and shade of **finish**
- P8 store and maintain the **finish** in a suitable condition for use
- P9 carry out the appropriate tests to confirm that the working characteristics and results produced by the **finish** meet the **specification**
- P10 follow coshh procedures at all times, and wear the appropriate **personal protective equipment** for the **materials**
- P11 make sure that unused **finishes** are accurately labelled and return them to the designated storage areas
- P12 dispose of wastes safely using designated procedures and disposal areas

Apply oils, polishes, varnishes, waxes and lacquers

You must be able to:

- P13 make sure that the surfaces are free of dust and grease ready to accept the **finish**
- P14 apply the **finish** so that an even coverage is achieved
- P15 use an effective **technique** for the kind of **finish**
- P16 allow sufficient drying times between multiple coats
- P17 clear surfaces of excess **finish** at each stage of the process
- P18 de-nib, remove blemishes and flat back **finish** between successive coats
- P19 handle and protect the item of furniture from damage during finishing
- P20 deal promptly and safely with spillages and splashes
- P21 deal promptly and effectively with application **faults**
- P22 follow coshh procedures at all times and wear appropriate **personal protective equipment** for the **materials** being handled
- P23 make sure that unused **materials** are accurately labelled and return them to the designated storage areas
- P24 dispose of wastes safely using designated procedures and disposal areas
- P25 complete each coat within the working time of the **material**

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Knowledge and understanding

Prepare oils, polishes, varnishes, waxes and lacquers for use

You need to know and understand:

- K1 the meaning of terms used in technical and manufacturers' specifications and data sheets on finishes for hand-crafted furniture
- K2 what checks are carried out on work-pieces which are being prepared for finishing
- K3 what sorts of problems can occur in preparing finishes of different sorts, and how to recognise and deal with them
- K4 what the shelf-life is of different finishes
- K5 how to handle different finishes to produce the required specification
- K6 why it is important to turn finishes regularly so that they are brought into the required suspension
- K7 the implications for your work of the HASAWA COSHH Regulations and the Environmental Protection Act, including where to find out about relevant risk assessment details and control measures that have been set by your organisation
- K8 where and how finishes should be stored and the implications of not doing this
- K9 why it is important to label unused materials correctly

Apply oils, polishes, varnishes, waxes and lacquers

You need to know and understand:

- K10 the meaning of terms used in technical specifications for finishing hand-crafted furniture
- K11 The different types of abrasive materials used on finishes
- K12 the different types of finish used, what each is for and when it is used
- K13 what the drying and working times are of different finishes
- K14 what the effects are of moisture content on the finish
- K15 what the implications are of poor technique
- K16 what kinds of application faults can arise and what to do to resolve them
- K17 the implications for your work of the HASAWA, COSHH Regulations and the Environmental Protection Act, including where to find out about relevant risk assessment details and control measures that have been set by your organisation
- K18 what personal protective equipment should be worn when handling stains and why
- K19 why the working environment needs to be at suitable levels of humidity, temperature and lighting as well as dust-free and adequately ventilated
- K20 why it is important to deal promptly, safely and correctly with splashes and spillages
- K21 why it is important to label unused materials clearly and accurately
- K22 what the storage requirements are for different types of finish and the implications of not storing them correctly

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Additional Information

Scope

Faults

The kinds of faults that can occur include chilling, blushing and flow-out.

Finish

This unit covers finishes used in hand-crafted furniture, including traditional polishes, varnishes, oils, waxes, clear and pigmented lacquers.

Materials

In addition to the finishes, thinning and cleaning solvents, there may be a need to use burnishing creams, bleaches and de-greasing agents.

Personal Protective Equipment

This covers eye protection, gloves, overalls and respiratory equipment as well as barrier, cleansing and after-care creams.

Techniques

Finishes are applied using brushing, rubbering, stiffing, dulling out, burnishing and were applicable hand spraying.

Tools and equipment

Finishing involves the use of abrasives, brushes, rubbers, abrasive pads, wire wools, cloths and tak rags.

Work specification

The set of instructions which describe the work to be carried out, including details of the finishes to be used, the number of coats of finish to be applied and the desired sheen to be achieved. The specification will also detail the time within which the process must be completed and the personal protective equipment which should be worn. Specifications may be oral or written and may involve the use of diagrams and colour cards.

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