

PROFF6 (SQA Unit Code – HE6J 04)

Apply stains, seals, basecoats and finishes to production furniture



Overview

This standard addresses the competence required to apply stains, sealers basecoats and finishes to production furniture. This involves applying sealing and polishing coats, checking that the finished item conforms to specification, clearing the work area and completing any necessary documentation.

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

**Performance
criteria**

- You must be able to:
- P1 ensure that extraction facilities are operating effectively before working with solvent based **materials**
 - P2 apply the **coating** evenly and to the required finish
 - P3 use **tools and equipment** safely and effectively
 - P4 deal promptly with **faults** and minor **surface defects** which occur
 - P5 report any **faults** or **defects** which prevent the **workpiece** being finished within the production process
 - P6 deal promptly and safely with spillages and splashes
 - P7 allow specified drying times between multiple coats
 - P8 make sure that surfaces are clean and free of excess **materials** and surface irregularities between multiple coats
 - P9 follow safe working practices at all times
 - P10 complete finish according to **work specification**
 - P11 check and confirm that the specified colour, shade and finish has been achieved according to the **work specification**
 - P12 deal promptly with any problems that arise, reporting those that you cannot solve
 - P13 make sure that unused materials are accurately labelled and returned to the designated storage areas
 - P14 dispose of waste safely using designated procedures and disposal areas
 - P15 transfer the finished workpiece to the designated storage location
 - P16 complete the process within the required time
 - P17 complete production records accurately and clearly

Knowledge and understanding

You need to know and understand:

- K1 the meaning of terms used in technical specifications for furniture coating materials
- K2 the different types of coating materials used, and where each product would be used
- K3 what the drying times are of different materials
- K4 when and why natural and forced drying methods are used
- K5 what the lacquer curing process involves
- K6 why it is important to use the correct standards when checking for colour and shade
- K7 what kinds of faults and minor surface defects can occur in the application of coatings and what steps can be taken to deal with them
- K8 the implications for your work of the relevant regulations including those relating to the environment and where to find out about relevant risk assessments and control measures that have been set by your organisation
- K9 when and why personal protective equipment should be worn while working with coating materials
- K10 why there needs to be adequate ventilation and extraction of fumes when dealing with solvent based materials and the procedure to follow if not working efficiently
- K11 why it is important to deal promptly, safely and correctly with splashes and spillages of materials
- K12 why it is important to label unused materials clearly and accurately
- K13 why it is important that waste materials, including rags, are disposed of safely
- K14 the importance of checking the workpiece is finished according to the specification
- K15 how to deal with problems, and who to report problems to that you cannot resolve yourself
- K16 what information is recorded on production records and why it is important that these are kept up to date and accurate
- K17 what work rates you are expected to meet

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Additional information

Scope / range:

Coating materials

Stains, sealers, basecoats, lacquers and thinners applied as coatings as part of the finishing process in furniture production. They can be based on oil, water or mixed solvents.

Tools and equipment

Coatings may be applied using rags and hand-held spray guns. Control of machine operations is dealt with in another unit.

Faults

The kinds of faults which could occur would include uneven applications, poor wetting, blotching, marking of the surface, drip, runs, streaks, mismatched shading or poor surface finish. The person carrying out this role is responsible for identifying and dealing with faults which can be treated without disruption to the production process. Problems which cannot be resolved in that way would be reported using the correct workplace procedures.

Production records

These may be written or electronic. Typically they will involve the individual in completing a simple form, much of which may be of a tick-box format, requiring only a limited amount of free text to be entered.

Surface defects

Surface defects can occur during the finishing process. They may take the form of nibs, holes, scratches, chips, dents, cracks, blisters and blemishes. If minor, they can be overcome using sanding equipment and abrasives. If major they require the workpiece to be removed and reported.

Workpiece

The item of furniture to be coated as part of the finishing process. This may be a component, sub-assembly or assembly used in furniture production. The workpiece to be treated may be made of natural timber (solid or veneered) or of wood composite.

Work specification

The set of instructions which describe the work to be carried out, including details of the types, application area and characteristics (colour, viscosity, formulation) of the coatings to be applied, the number of coats to be applied and the drying requirements (natural or forced). The specification will also detail the time within

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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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Suite	Finishing Furniture
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