
Overview

This standard addresses the competence required to make standard veneers for use in making furniture. This involves:

- 1 selecting veneers and planning the cutting process
- 2 cutting and joining veneers
- 3 working in ways which maintain your own and others' safety

**Performance
criteria**

- You must be able to:
- P1 select veneers which meet the quality requirements in the work specification
 - P2 check that the veneers selected have no intermittent or full faults and set aside any which do
 - P3 match selected veneers for decoration, grain orientation and light refraction requirements
 - P4 minimise waste in your choice of veneers and in how you measure and mark them out for cutting
 - P5 handle the veneers in ways that avoid damaging them
 - P6 measure and mark the veneers accurately to size and shape, keeping within the required tolerances
 - P7 use safe and effective techniques to make the cuts
 - P8 make sure that veneer surfaces to be glued are free of irregularities and are sanded and cleaned to the required surface finish
 - P9 store the veneers in appropriate conditions to keep them in the required state for working
 - P10 follow safe working procedures at all times.
 - P11 ensure the work area is kept clean and tidy.
 - P12 dispose of wastes safely to the designated area.
 - P13 match veneers for quality, size and shape to meet the design requirements
 - P14 set aside any veneers which are of unacceptable quality
 - P15 accurately measure and align the veneers to form the required size when jointed
 - P16 make the joints of the required type
 - P17 check and confirm that the results meet the specified quality
 - P18 deal promptly and effectively with any joint faults that arise
 - P19 handle the veneers in ways which avoid damaging them
 - P20 store the joined and jointed veneers in appropriate conditions to keep them in the required state for application

Knowledge and understanding

You need to know and understand:

- K1 the meaning of terms used in technical specifications for veneers
- K2 what kinds of natural faults and handling damage can occur with veneers
- K3 how to identify faults which mean that the veneer cannot be used
- K4 why it is important to keep waste to a minimum
- K5 what characteristics are used to describe the quality of a veneer and how to identify them
- K6 how to balance and match veneers
- K7 the growth and handling characteristics of different species of wood used as veneers, and how this affects the way they are cut and stored
- K8 the handling characteristics of veneers of different types and qualities and how to protect them from damage
- K9 why veneers may need to be flattened and damped during storage and the implications of not doing this
- K10 what the consequences are of inaccurate measuring and cutting
- K11 how to use cutting tools and equipment safely in ways that protect yourself and others from risk
- K12 the implications for your work of the relevant regulations, including where to find out about relevant risk assessment details and control measures that have been set by your organisation
- K13 the meaning of terms used in technical specifications for veneers
- K14 when and why quartered panel and stringed sheet jointing methods are used
- K15 what to look for when matching different types of veneers
- K16 the handling characteristics of veneers and how these can affect the jointing process
- K17 what characteristics are used to describe the quality of a veneer and how to identify them
- K18 the handling characteristics of veneers of different types and qualities and how to protect them from damage
- K19 why veneers may need to be flattened and damped during storage and the implications of not doing this
- K20 what kind of faults can occur with jointing veneers and what can be done to

overcome them

K21 quality checks that should be carried out on jointed veneers

Additional information

Scope

Conditions

The conditions under which veneers require to be kept includes flattening and damping them to ensure that they remain in a suitable state for working.

Joints

The joints used in making standard veneers would include the making of quartered panels, edged sheets and stringed sheets. These are influenced by the design required, which will be stated in the specifications. Joints must be accurately matched for grain orientation, colour and hue, decoration and light refraction qualities.

Jointing faults

Jointing faults can arise from misalignment of panels, marks and damage to the veneers. The person carrying out this role is responsible for identifying and making minor repairs where these can be achieved without affecting the quality of the work. Problems which cannot be resolved in that way would be reported to a senior person using the correct workplace procedures.

Tools and equipment

The tools and equipment used within furniture production environments for cutting and jointing veneers by hand and mechanical means. This includes veneering saws and knives, planes, measuring devices, veneering tape, set squares and protractors.

Quality

The quality of a veneer can be described in terms of the grain fineness and orientation, its colour, hue and decoration, moisture content and light refraction characteristics. Veneers require to be matched for these qualities for use in straight, slip laid, leaf laid, book match and edge veneering.

Veneers

Veneers used in making furniture are made of natural timber.

Work specification

The set of instructions which describe the work to be carried out, including details of the qualities of the veneer to be produced, the length, width and shape of veneer required and the nature of the joints to be made. In the context of these standards, length, width and shape tolerances to within +/- 0.5mm would be

expected. The specification will also detail the storage condition requirements for the veneers.

Personal Protective Equipment

Ear, eye and respiratory protection as well as protective gloves and footwear.

Developed by	Proskills
Version number	2
Date approved	October 2013
Indicative review date	April 2018
Validity	Current
Status	Original
Originating organisation	Proskills
Original URN	PROFFI218
Relevant occupations	Paper and Wood Machine Operatives; Furniture Makers and Other Craft Woodworkers; Upholsterers; Labourers build and woodworking trades
Suite	Furniture Making
Key words	Contemporary Furniture Making; Traditional Furniture Making; Bed Making; Frame Making; Component Manufacture; Veneering; Modern Upholstery; Traditional Upholstery; Soft Furnishing; Cutting; Sewing; Hand Finishing;