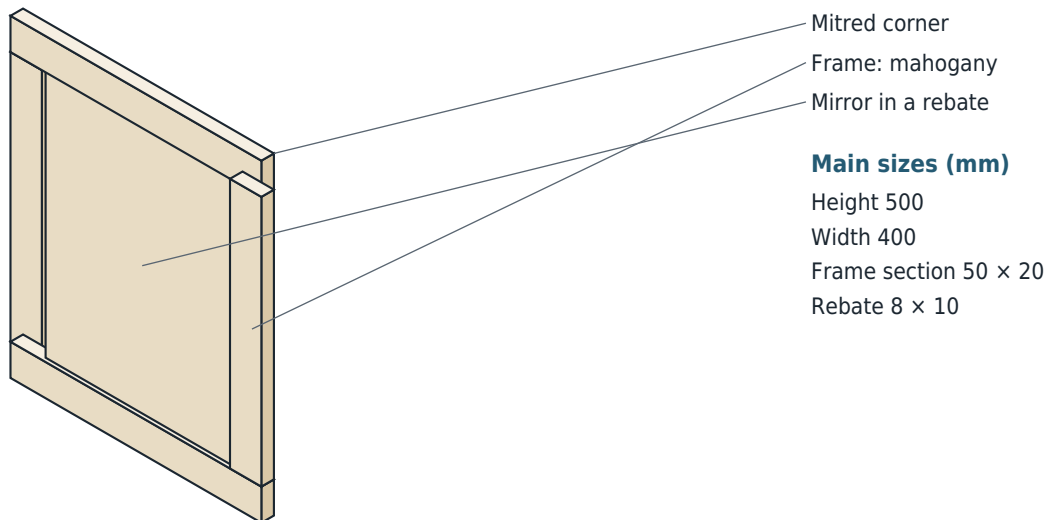


Case study 6: Mirror frame

WOODWORK WITH MR KELLY

National 5 · Practical Woodworking · 10 marks · open book

The product. A wall mirror has a hardwood frame with mitred corners. The mirror and a hardboard back fit into a rebate at the back of the frame. Use the drawing to answer the questions. Answer in sentences for describe and explain questions; you can add labelled sketches.



1 *The corners of the frame are mitre joints.*

(a) Name a tool used to mark out the mitres. (1 mark)

(b) State the angle each part is cut at. (1 mark)

(c) Describe one way of strengthening the mitre joints. (1 mark)

2 *The frame is glued up.*

Name a cramp suitable for holding the mitred frame while the glue sets. (1 mark)

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3 *The rebate for the mirror is cut along the inside back edge of each frame part.*

Explain why the rebate is cut before the frame is assembled. (2 marks)

4 *The mahogany frame is stained darker and then varnished.*

(a) Explain why stain alone does not protect the wood. (1 mark)

(b) Describe two stages of preparing the frame before staining. (2 marks)

5 Describe how a template could help if 50 identical frames were made. (1 mark)

Total: ____ / 10