

Answers and marking guidance

Award one mark per correct, developed point unless stated. Other valid answers should be credited.

2 Explain why the holes are drilled before bending.

- It is easier to clamp and support the sheet when flat
- Less chance of the acrylic cracking
- Easier to position the holes accurately

No marks for: Unqualified "easier" or "quicker"

3 Quick check

- a) Housing
- b) Product can be packed flat and assembled at home
- c) To guide the screw and stop the wood splitting
- d) Sand with the grain through finer grades and remove dust

4 Key terms

- 1 - D
- 2 - B
- 3 - C
- 4 - A
- 5 - F
- 6 - E

5 Name a suitable adhesive and explain why it is suitable.

- Epoxy resin (1)
- It joins different materials such as metal and wood (1)
- It gives a strong, permanent joint (1)

No marks for: "Glue", "super glue" or trade names; "Waterproof" on its own

6 Describe how the acrylic would be bent accurately.

- Heat along the bend line on a strip heater (line bender), turning it to heat both sides
- Bend it round a former or jig set at the correct angle
- Hold it in position until it sets
- Leave to cool before removing and check the angle

No marks for: "Heat it" or "bend it" on its own; "Bend it on the strip heater"; Heating in the oven without a former

7 Describe how a high quality brushed varnish finish would be achieved.

- Sand with the grain through finer grades and remove all dust
- Apply thin, even coats brushing with the grain
- Remove excess varnish from the brush to avoid runs
- Pick out any brush bristles
- Rub down lightly between coats (fine paper or steel wool) and remove dust
- Apply several coats, covering all surfaces

No marks for: "Apply with a brush"; "Sand it" on its own