

PVC Foam Boards (Sintra)

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Materials & Stock



Photo: DP interior custom Mezzanine interior — CC0 — via Wikimedia Commons (DP_Interior_Custom.png)

PVC foam board (Sintra) is a lightweight rigid plastic board that cuts, routes, prints and heat-bends into signs, displays, models and product housings. It is weather-resistant and paintable, making it a design-display staple.

Key Features

- White, black and coloured boards
- Thicknesses 3-10 mm
- Lightweight and rigid
- Printable and paintable surfaces
- Cut with knife, saw or router

Typical Uses in the Workshop

- Build signs, displays and exhibition boards
- Model housings and product forms
- Print direct for graphic work
- Heat-bend for curved panels

Safe Operation

1. Score and snap thin boards
2. Cut thicker boards with a saw or router
3. Clean the surface before printing or painting
4. Heat-bend with a strip heater for curves
5. Edge-prime before solvent paint

SAFETY NOTES

- Cut with tools on a mat - blades are sharp
- Do not laser cut PVC - chlorine gas hazard
- Sand with a mask - PVC dust irritates
- Ventilate when heat-bending
- Store flat away from heat

Maintenance & Consumables

- Store boards flat in racks
- Protect the surfaces from scratches
- Keep offcuts for test pieces
- Clean with mild soap
- Check the stock does not bow

Specification & Buying Notes

Stock 3 and 5 mm white PVC foam board in sheets that fit the cutter and printer. Quality board cuts clean and holds printed detail. Check flammability ratings for displays.