

Essential PPE for Working with Resin

1. Hand Protection

- Nitrile gloves (chemical-resistant)
 - Required when handling resin and hardener
 - Change immediately if torn, contaminated, or sticky
 - Latex gloves are not recommended

2. Eye Protection

- Safety goggles or chemical splash goggles to protect against splashes. Optical glasses will suffice in some cases.

3. Respiratory Protection (When needed)

- In well-ventilated areas with short pours/uses, ventilation + fresh air may be sufficient.
- For larger pours, longer sessions, enclosed spaces, sanding, or if you're sensitive to vapours, a respirator with organic vapour/chemical cartridges is strongly recommended (cartridge-based respirators are far more effective than N95/dust masks).

Examples of effective respirators/filters: Half-face or full-face respirator with cartridges for organic vapor protection and particulate filtration. The most common combinations of these are A1/P2. The A2/P3 offers the highest level of protection available.

4. Protective Clothing

- Long-sleeved shirts and pants to minimise skin exposure.
- Disposable chemical-resistant coveralls or apron to protect from splashes/ spills.
- Avoid wearing good clothes (they can absorb chemicals & stains can permanently destroy them).

5. Optional But Helpful

- Disposable shoe covers if you're concerned about spills tracking out of the work area.
- Drop Sheets to protect workspace

6. When Sanding or Machining Resin

- Respirator with particulate filters (protects from dust).
- Eye protection (dust and debris).
- Gloves (to prevent skin contact with dust/dry resin).

7. Washroom & Hygiene Facilities (Mandatory)

- Washroom with running water and soap must be located nearby
 - For immediate washing of skin in case of accidental contact
 - Solvents should never be used to clean resin from skin
- Hands and exposed skin should be washed thoroughly after use, even if gloves were worn

8. Eye Safety

- Eye-flushing kit / eyewash station must be readily accessible
 - Required in any area where epoxy resin is mixed or poured
 - Must allow immediate flushing in case of splashes or contamination

9. Additional Best-Practice Safety Items

- Disposable paper towels or absorbent pads for spill management
- Always work in a well-ventilated area with airflow (open windows, use a fan/extractor).
- Waste container for contaminated gloves, wipes, and mixing cups
- No food or drink in the resin work area

The information provided here is general in nature. Users must refer to the Safety Data Sheet (SDS) for the specific resin system being used to determine appropriate safety procedures, handling, and personal protective equipment requirements.