

Maintenance Document

SilentVue®



1. Storage Requirements

SilentVue® cast acrylic sheets and blocks are supplied with protective wrapping to minimise moisture absorption and contamination from dust, swarf, or other particulates. For optimal protection, the polyethylene (PE) masking should remain intact throughout storage. Both faces of the acrylic are covered with either PE or paper masking to guard against surface damage during handling.

Masking Retention: Masking must remain in place during fabrication to protect surfaces. Avoid prolonged direct exposure to sunlight, as this may cause the masking to become brittle and difficult to remove.

Positioning: Store sheets vertically at an inclination of approximately 10° on standard industrial racks to maintain flatness. If horizontal storage is necessary, the surface must be perfectly flat.

2. Masking Removal

Masking should remain in place until immediately prior to cutting or installation. When removing:

- Roll masking back slightly from panel edges to avoid entanglement in channels or rebates.
- Do not use gasoline, incompatible solvents, or sharp instruments such

3. Cleaning & Maintenance

Routine Cleaning: Use a soft microfiber cloth and mild detergent diluted in lukewarm water.

Stain Removal: For oil, grease, or tar stains, use high-quality hexane, aliphatic naphtha, or kerosene. Confirm solvent compatibility with the manufacturer before use.

Approved Cleaning Materials: Hexane, aliphatic naphtha, kerosene, isopropyl alcohol, pure petroleum ether, microfiber cloth, sponge cloth, chamois leather, cotton tea towel, soft damp viscose sponge.

Avoid using dry cloths alone, as they may cause surface scratching and static charge buildup. Use ionising air guns to neutralise static prior to cleaning.

4. Graffiti Removal

Confirm compatibility of the remover with acrylic prior to application.

Clean with soft cloth and warm, diluted soapy water.

Apply approved remover, allow 2–3 minutes to absorb, then rinse thoroughly with a wide-spray nozzle and wipe dry.

Use only organic graffiti adhesive removers where possible.

In cold conditions, multiple applications may be required.

5. Polishing

Light scratches and paint may be removed using approved acrylic scratch removers (e.g., NOVUS 2 or Meguiar's PlastX) applied with a soft cloth in a circular motion.

Ensure all polish residue is completely removed with a clean, soft cloth.

6. Static Charge Control

Due to the insulating properties of SilentVue® acrylic, static charges may accumulate, attracting dust or potentially causing flashover.

Causes include mechanical friction, contact with solid objects, and removal of masking film.

Prevent buildup by using ionising air guns or approved anti-static treatments.

7. Protective Masking Marking

Masking is available in pressure-sensitive latex paper or thermoformable polyethylene film. Paper masking can be marked using pencils, pens, or felt markers. Polyethylene masking can be marked using approved industry pencils or felt markers.

8. Material Compatibility

SilentVue® acrylic may exhibit crazing, cracking, or discoloration if exposed to incompatible substances, including certain cleaners, polishes, adhesives, sealants, gaskets, packaging materials, and cutting emulsions. Consult the SilentVue® Chemical Behaviour Guide for full compatibility details.