

Product Guide

SilentVue®

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SilentVue® is a premium noise barrier system engineered for infrastructure projects that demand both high performance and design integrity. By combining certified acoustic and structural performance with a refined architectural finish, we offer a single specification-ready solution trusted by architects, engineers, and councils alike.

Properties:

- Light transmission: superior visible light transmission
- Tensile strength and strain: high tensile strength for structural stability and flexible under tensile load.
- High durability under applied load and bending forces.
- Excellent energy absorption on impact.
- Tough against stone and gravel hits.
- High resistance to environmental.
- Blocks sound transmission efficiently.
- Classified fire-safe material (EN 1764-3:2016 Clause 5.2)
- Certified low-emission material (EN 1794-3:2026 Clause 5.2.3)

Special features:

- Optional integrated black polyamide threads for birds to easily detect
- Engineered to category B3 ensuring best possible airborne sound insulation, reaching requirements of EN 1783-2, EN 1793-6 an/d EN 16272-3-2.
- Glaslenx SilentVue is available in transparent colours and custom engravings

Technical data:

Property	Value	Test Standard
Density	1.20 g/cm ³	ISO 1183
Tensile strength	70MPa	ISO 527-2/1B/5
Elongation at break	>3%	ISO 527-21B/5
Flexural strength	95%	ISO178
Modulus of elasticity	3100MPa	ISO 527-2?1B/5
Light transmittance	Min. 90%	ASTM D1003-21
Impact test	Conform	EN 12600 Class A
Stone impact resistance	Conform	EM 1794-1:2018 Annex C
Resistance against wind load and load from passing vehicle	c	EN 1794-1:2018 Annex A
Weight sound reduction index	29dB at 12mm 30dB at 15mm 34dB at 15mm 35dB at 15mm 32dB at 20mm	BS EN 1793-2:2018
Reaction to fire	Conform	EN 1794-3:2016 Clause 5.2- for Annex A Class 2
Smoke and toxic fumes	Conform	EN 1794-3:2016 Clause 5.2.3

Cleaning & Maintenance

To maintain the performance and appearance of GLASLENX acrylic panels, always confirm that any cleaner, remover, or solvent is compatible with acrylic. Routine cleaning should be done with a soft microfiber cloth and mild detergent diluted in lukewarm water. For more stubborn stains such as oil, grease, or tar, use approved solvents like hexane, kerosene, or isopropyl alcohol, following manufacturer compatibility guidelines. Avoid dry cloths alone, sharp instruments, gasoline, or incompatible chemicals, as these can scratch or damage the surface. Neutralizing static with an ionising air gun before cleaning is recommended to prevent dust attraction. Proper care and use of approved cleaning materials help ensure the panel's longevity and are key to maintaining the 25-year warranty.

Warranty

SilentVue **warrants** that the above-described acrylic panels will:

- 1. Maintain their **structural integrity**, rigidity, tensile strength, and optical clarity for a period of **twenty-five (25) years** from the date of supply.
- 2. Remain compliant with the requirements of **TfNSW R271**, **MRTS15**, and **TS 03247**, provided that the panels are installed and maintained in accordance with SilentVue's installation guidelines.
- 3. Resist UV degradation, yellowing, and loss of transparency beyond the permissible limits defined in **DIN 5036** and **ISO 4892-2**.

Physical form:

Standard size	3050 x 2030mm 4050 x 2030mm 5050 x 2030mm 3300 x 2380mm
Thickness	12 – 15 – 20 – 25 mm

GLASLENX panels are available in a clear, neutral finish that integrates seamlessly into any architectural design. To enhance visibility and bird safety, optional bird deterrent lines are offered in both black and white as standard. For projects requiring a tailored aesthetic, these lines can also be colour-matched to suit specific design palettes, ensuring both functionality and visual harmony.

Colour Chart:

