HAMMERGLASS HANDLING & MAINTENANCE

Hammerglass® is the new generation of high performance glass in nano surface-treated polycarbonate. A durable and wear-resistant polycarbonate sheet, 300 times stronger than glass and virtually unbreakable. Hammerglass screens are coated with a thin film of silicon oxide, which protects against scratches and wear and tear. Nanotechnological surface treatment renders Hammerglass resistant to most chemicals, which makes it easy to remove graffiti from the surface - and helps to prevent pollutants from exhaust fumes, oil and asphalt from adhering to Hammerglass as easily as to ordinary glass. The surface treatment also provides 99.96% UV protection, which means the material will not cloud, discolour or undergo any other change in optical quality over time. Estimated service life is more than 40 years. Hammerglass does not contribute to the spreading of flames in the event of fire. With its array of positive features, and half the weight of conventional glass - Hammerglass is an excellent choice both for new installation and glass replacement.

TRANSPORT AND HANDLING

- Sharp tools, blades or objects that may cause scratches must not be used.
- The protective foil should remain in place during handling. Remove the protective foil only after the installation has been completed.
- The Hammerglass panels must not be placed on unclean surfaces. Make sure that the panels are well protected so that dirt, sand or other particles cannot come into contact with the surface and scratch it during transport/handling.
- The persons responsible for future maintenance must be familiar with the content of the document.

INSTALLATION

- We recommend ordering Hammerglass with pre-drilled holes.
- When mounting with through-bolts, the hole must be large enough to allow the Hammerglass panel to expand and contract with temperature changes. The material can be expected to move plus/minus 3 mm per meter for temperature variations of plus/minus 40°C relative to the installation temperature.
- The screw hole must not be countersunk. The screw head should have a flat (not recessed) bottom side and the screw should not be tightened too hard.
- When gluing, only adhesive recommended by Hammerglass may be used. When using Loctite or similar products to secure nuts, ensure that the adhesive does NOT come into contact with uncoated Hammerglass surfaces (e.g. hole edges).
- Clamp bracket must be provided with soft non-scratch gasket.

CLEANING

Cleaning must only be done with a soft cloth or squeegee that is free of hard particles. Sharp tools, blades or objects that may cause scratches must not be used. Generally, cleaning with regular dishsoap and lukewarm water – or a gentle window detergent – is recommended. In the event of damage such as graffiti, it should be removed using solvents like isopropanol, white spirit or environmentally friendly graffiti removers. If you fear that the Hammerglass coating might be compromised, avoid using acetone or strong cleaning agents.
Noise barriers directly adjacent to roads can accumulate a layer of oil-mixed grime that rainwater cannot wash away. When necessary, we recommend spraying an environmentally friendly cleaning agent and allowing it to act for a few minutes, before proceeding with high-pressure washing the panels with warm water. Ideally, the procedure should be carried out in the spring and repeated every two years.

Static electricity

Static electricity disappears if the mirrors are wiped with a soft cloth and a mixture of water and some regular fabric softener, immediately after installation. Remove any spillage with a squeegee that does not contain any hard particles.

WARRANTY VALIDITY

Exposure to weather and wind will not cause Hammerglass screens to lose its impact strength, within a period of 10 years from the date of purchase. Hammerglass will not show any discolouration or surface damage caused by weather conditions, within a period of 5 years from the date of purchase. If Hammerglass is in any way affected, please contact our dealer or Hammerglass directly.