1st October 2025

Operating & Maintenance POSI-Lite

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Product: POSI-Lite Glass Balustrade
Materials:
Aluminium channel anodised to 25µm (AA25)
Aluminium side cladding anodised to 25µm (AA25)
Rubber/PVC Co-extruded Gasket
Plastic glass clamps for thickness 12mm through to 21.52mm
Aluminium clamp bar anodised to 15µm (AA15)
Trapezoidal bolt 316 Stainless Steel

Description:
Adjustable glass balustrade railing channel (3000mm / 6000mm)
Usage Internal/external using the correct glass types & specification to meet the required building standards.
Meets Local Building Regulations:
BS 6180:2011 (United Kingdom)

Safety:
When installing glass balustrade high safety requirements must be met to meet the correct criteria, these are only possible when changing some of the system specifications i.e. glass type and thickness, handrail requirement. Reference must be made to the local building Standards to meet these criteria. Please contact your local building control office or us for assistance on what the criteria is.

When handling glass it is important to carry out an onsite inspection prior to handling.
Always wear eye protection, gloves and safety footwear.

Maintenance:
External aluminium profiles must be cleaned a minimum of once a year in clean internal environments, every 6-months in clean external environments and in coastal/industrial areas at least once every 3 months. Warm soapy water or a car shampoo can be used with a soft sponge or cloth.
Detailed cleaning guide below.
The system should be checked on a regular basis to make sure everything is rigid within the system and there are no signs of corrosion or impact and that the glass is held properly.
In the unlikely event that the glass is impacted it may cause the internal fixings to move. The glass panel will need to be checked it's still firmly held by the internal parts. Should the panel not be correctly held and the glass is showing signs it can easily wobble within the base channel the clamp bolts must be re-tightened. The clamp bolts are visible by removing the top beads or side cladding, an angled 10mm spanner will be required to tighten the bolts and align the glass. Once positioned the bolts are tightened firmly into the channel and thread locker used on the threads of the bolts.

Replacement:
In the unlikely event a glass pane is broken a replacement must be sourced. The area must be cordoned off to not allow the public near the damaged panel. The replacement glass must match the original or matching to meet required specification to the installed location. For overhead glazing we strongly recommend heat soaked glass.
Removal of glass:- It is possible to remove the glass by removing the clamp bars on one side and pulling the glass out at an angle. However, if it is not possible, remove the clamp bars on both sides. First remove the top aluminium beads or side cladding. To remove the clamp bars use to POSI angled 10mm spanner on the exposed bolts and turn clockwise, wind the bolts all the way into the aluminium clamp bar. Remove the clamp bars. The glass can now be lifted out of the POSI-Lite channel.

We strongly advise the use of glass safety equipment such as protective gloves, glasses and glass lifting suckers when possible.

If any additional assistance or questions arise, please contact us.

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Cleaning:

The balustrade system requires regular cleaning to prevent corrosion and risk of decolourisation.
Aluminium profiles have been anodised to a high level to protect from corrosion however, additional cleaning will ensure the longevity of the installation.

Clear away leaves and any debris from the channel profiles and gaskets.

Regular cleaning of the profiles must be carried out at various stages depending on the installation location.
Below are the minimum cleaning intervals
Domestic Internal more than 2KM from coast – Once every 6-months
Domestic Internal less than 2KM from coast – Once every 3-months
Domestic External more than 2KM from coast – Once every 3-months
Domestic External less than 2KM from coast – Once every month

Commercial Internal more than 2KM from the coast – Once every 6-months
Commercial Internal less than 2KM from the coast – Once every 3-months
Commercial External more than 2KM from the coast – Once every 3-months
Commercial External less then 2KM from the coast – Once every month

For the regular cleaning warm soapy water or a mild detergent with a neutral pH level (between 6-8) must be used.
A clean non-abrasive soft cloth or sponge must be used.

The below does not apply to powder coated items
Profiles not cleaned for long periods of time, heavily soiled or have been accidentally marked (such as from footwear) may require a slightly more aggressive cleaning practise.
The following solvents can be used with care: kerosene, acetone, turpentine or white spirit. Once the mark has been cleaned away wash down with water or mild detergent.

A polish or wax can be applied such as a bee's wax polish which will give a protective coat to the anodised finish.

Chlorine products should not be used under and circumstances as this will cause corrosion and discolouration.
Abrasive pads/cloths or scrapers must not be used.

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