

Grosvenor Restoration Ltd

[Referred to as GRL]

LandVac Vacuum Insulated Glass Handling & Installation Instructions

Disclaimer

The document is intended as a guide to the safe and proper handling, installation and care of LandVac Toughened Vacuum Insulated Glazing (VIG), (Manufactured by LandGlass Technology. Co. Ltd. PRC) in order to maintain the guarantee, life expectancy and in-service performance.

Please read carefully before handling, installing or maintaining the glass units. If the product is damaged or becomes ineffective due to improper transport, installation, use or maintenance as a result of non-observance of the requirements stipulated here-in, the user will lose his/her right to seek compensation or after sales services.

General :

1. GRL and LandGlass reserve the right to adjust or modify parameters of the products without prior notice.
2. Consult GRL for any questions regarding this document or the LandVac product
3. LandVac should only be installed by those competent to do so
4. GRL reserves the right to perform any modification and updates to the contents of this document.

Handling

Remember glass is heavy and requires careful handling

During moving or storage processes, all glass should be kept in upright direction, and should not be stacked horizontally.

Do not lay flat

Avoid package sliding or tumbling.

Do not unpack the package if it appears damaged or soaked.

Wear proper PPE during handling, unpacking, installation, use, and maintaining.

When handling or lifting, pay attention to the centre of gravity of the package to avoid it overturning.

When handling vacuum insulated glass, use proper tools to prevent injuries and damage to the products and/or workers.

Due to the characteristics of tempered glass, the glass may spontaneously explode without any forewarning.

When placed in upright direction, the long side of the glass should be kept in parallel with the ground. According to the size of the glass, place two or more supporting blocks between the edge and ground. Do not use hard materials as the supporting blocks that have contact with the glass edge.

During handling, moving or installation processes, please handle with care to avoid having glass edges being bumped or impacted.

When installing skylights or working on high-rise buildings, a safety zone below the construction spot should be properly secured and monitored by designated personnel to restrict access and prevent injuries from falling materials.

When glass is installed at great heights, scaffolding should be set up or other safety measures taken.

If glass is broken, it should be dealt with only when wearing protective gear.

Cleaning:

When cleaning the glass be careful not to scratch the surface

Do not clean with alkaline, acidic, or corrosive cleaning solvents;

Installation:

Each unit is delivered with a protective film. We recommend this is left in place up until the moment of installation. Peel back the edges of the film for bedding whilst leaving the main body of film in place to protect the glass from dust and debris.

The surface with the sealing 'button' in the far corner (can be felt as slightly proud of the surface) must face to the internal of the room.

The frame into which the glass is to be fitted must be flat and devoid of twists and warps. Do not be tempted to force the glass/frame together if one part does not sit flat. Adjust the frame to take out any twist.

Centralise the glass unit into the frame rebate with setting blocks with regular spacing along the edge

LandVac must be bedded into a non-setting glazing compound such as:

- Butyl Glazing Tape
- Hand applied Butyl Putty
- Security Glazing tape
- Neutral Cure Glazing Silicone

A minimum bedding thickness of 3mm must be used to both sides of the glass unit

Clearance around the glass edge into the glazing rebates of a minimum of 2mm is recommended

Avoid pinning timber glazing beads too tight to the glass surface. Pins must not touch the glass surface

If using a fully bedded system then a Neutral Cure Glazing Silicone is recommended to fill the void around the bedding compound