

DECOGLASS & GLAZING

Installation and Maintenance Guide





Installations Recommendations

General

These installation recommendations apply to the Rehau Tritec, S706 and Rehau-Edge window systems. They regulate the installation of the elements by the fabricator or the installation firm. If the elements are distributed via dealers, D.I.Y centres, etc, attention has to be drawn to these recommendations. Additional information can be obtained from The British Plastics Federation Code of Practice documents.

Transportation

When transporting the elements they must be protected against damage caused by slippage, distortion, twisting or bowing. Soft inter-layers should be used to prevent windows lying directly against each other. Packaging that completely encloses the window may cause a build up of heat. In this situation sealed transparent foils must not be used with coloured windows. The packaging must have no adverse effect on the quality of the element.

Storage

Windows stored on a construction site should be on a firm base of timber battens and protected from soiling. Elements must be protected against direct sunlight using tarpaulin or other similar material.

Fit

The installation must be perfectly level, vertically plumb and correctly aligned. The fabricator must notify the customer in writing of any deviation from these regulations. Failure to do so may invalidate the guarantee.

Fixing

Special window fixings, such as stepped metal strips or lugs, can be used and allow expansion movement, particularly with larger elements. These are fixed to the frame with screws or by location between the frame lugs. Fixing to building fabric is achieved with screw and wallplug, nails or shot riveting. Nails or rivets must not be used to fix frames.

Hollow dowels of steel or plastic with a central screw can be used directly through the frame profile and into the building fabric. They provide horizontal and vertical support but must not be used for the lower member as the rebate bed is punctured allowing water ingress.

All anchoring materials must be protected against corrosion, be suitable for the building fabric and able to withstand the stresses transmitted. With walls of light construction, breeze, aerated concrete etc, extra long plugs should be used to ensure an adequate fixing.

Due to thermal expansion fixings must be at least 200mm externally - or 150mm internally - from any weld or joint. To spread the load the fixings should, if possible, be positioned to close to the hinges.

The distance between fixings must not exceed 700mm. When fixing to steel rails or surrounds the fixing should be a minimum of 500mm centres.

Sills or other profiles must not bridge expansion joints and affect the joint movement. Packing must be located at fixing points.



Movement Compensation

The joint between the element and building must incorporate an adequate gap to ensure no damage can result from linear expansion, contraction or building distortion. This will depend on the size and colour of the element, and mastic choice of the external seal. e.g. the expansion range of silicone is 25% of the gap width. Where the reveal is rebated, a minimum 10mm distance must be maintained between frame edge and rebate.

Expansion differentials depend upon temperature and frame materials.

- PVC-U White = 1.6mm/m maximum
- PVC-U Coloured = 2.4mm/m maximum

Installation

Prior to any work starting the aperture of the element size require checking to ensure compatibility. The window is trued up by means of wedges. These should be removed after the element has been fixed. If this is not possible, care must be taken to ensure the stresses, set up by the building, cannot be transmitted to the element and the linear expansion is not inhibited. Wedges must only be set at the points where the window is attached to the building fabric. Extreme care must be taken when installing elements below 5°C and any impact to frame and sash must be avoided. The protective foil must be removed immediately after installation. When plastering in the profile surfaces must be protected.

Masonry Unit

The joint between elements and masonry must contain a foam sealing strip, polyethylene or similar material to act as backing for the pointing mastic. If thermal or sound insulation is critical then the joint can be completely filled with mineral or sound insulation wool. Filling the gaps with mortar or plaster is not permissible. If foam filling is to be used, the manufacturers instructions must be carefully read and strictly adhered to. The foam must be compatible with the frame material and the sealing mastic.

Rehau-PU foam art 257371 is recommended. Contact with any colour or foiled surface must be avoided. Areas of cured PU foam must not remain exposed to the atmosphere. Bituminous materials must not be used for these joints. Windows should be attached by fixings bolts, not fixings brackets, if foam filling is to be applied to the areas between the elements and building fabric.

Cleaning and Acceptance

The elements should be cleaned up after installation and accepted by the customer. Failure to do so may result in later complaints about dirt or damage. Most normal domestic washing up liquids in luke-warm water is recommended. The use of abrasive cleaners and particularly solvents such as acetone, cellulose thinners, etc must be avoided, as the surface will be degraded. Where soiling is of a strong greasy or oily nature, special cleaners can be used. Details cleaning agents tested and suitable can be obtained by contacting us direct.

Additional Security Instructions

Rigid packing must be inserted between the frame and wall adjacent to fixings and locking points. All fixings must be suitable for the wall material and be positioned close to the locking points.



Maintenance Recommendations

Ventilation Tips

Windows installed by Deco are designed to close very tightly and save energy. So your new windows will be considerably better sealed than your old ones and if they are double glazed will, under normal circumstances, prevent condensation.

However, where humidity levels are high, condensation may occur on cold surfaces in the room. This can easily be counteracted with correct ventilation. Windows should be opened on a daily basis sufficiently frequently to allow the moist air out and fresh air in. If you have a tilt/turn style window a room can be ventilated by leaving windows in the tilt position for a few minutes.

Cleaning Tips

- Slightly dirty frames can be cleaned with washing up liquid in warm water.
- Extremely dirty frames should be cleaned with a specialist cleaning fluid.
- Abrasive cleaners as well as dry cleaning with a duster should be avoided. Cleaning solutions and polishes that contain solvents or thinners should not be used. Aggressive chemicals like these will attack the frame and seals.
- Rust patches can only appear as a result of external metal particles from the outside atmosphere.

Fitting Maintenance Tips

- All moving parts of fittings should be lightly oiled once or twice per year.
- Most fittings have a built-in adjustment facility so if a window should begin to stick contact your local dealer as only a trained window installer has the skill to make the necessary adjustments.





Door Operation and Instructions



Adjustments

Any adjustment required to the product post installation should only be carried out by an authorised and qualified party.

Repair

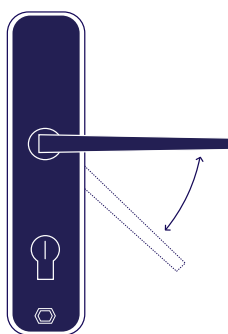
In the unlikely event of your products needing repair during the course of the installation please do not attempt to repair the products on your own, the work should only be carried out by experienced engineers.

Guarantee

Deco operate a comprehensive 10 year guarantee, should your new product fail for any reason within this time period please report it to the installer as soon as possible.

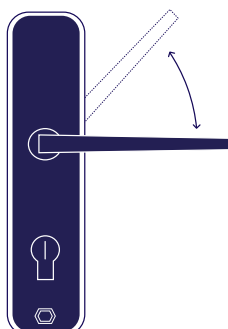
Compression

When closing the new door ensure to raise the handle to the locking position, doing so ensures optimum compression and water tightness.



Unlocking

- 1:** Turn key in cylinder.
- 2:** Operate handle downwards to disengage locking points.



Locking

- 1:** Operate handle upwards to engage locking points.
- 2:** Turn key in cylinder.



Sealed Unit Packing Instructions

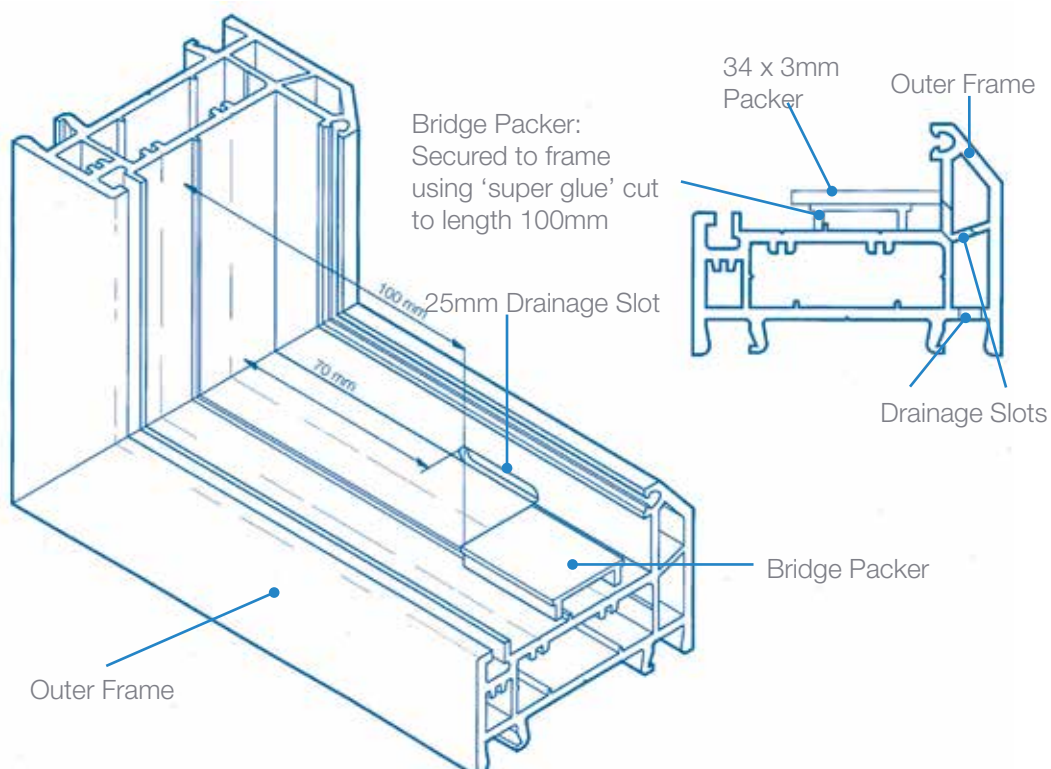
To position the Double Glazed unit properly into the window frame - when we lift the new Double Glazed unit into position, there will be a small gap all around the unit and to enable it to sit properly in the window frame, you need to pack in between the new Double Glazed unit and the window frame. Importantly, the packers raise the unit up so that it will never be sitting in water.

The frame is designed such that the water can ingress into the window frame and there are seep holes in the frame where this water is allowed to escape. For security reasons – if someone tries to break into a property via the window, there are certain precautionary measures that can be taken to ensure the windows are as secure as possible.

The secret lies in the way the hidden packers are positioned within the window frame. The diagrams opposite illustrate how the packers should be aligned.

Production Drawing

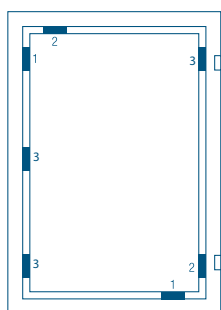
View showing recommended placement of glazing pack and position of drainage slots.



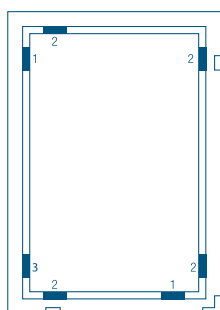
Note: to prevent shelling of the back glass occurring during installation, it is recommended that an additional 34 x 3mm packer is used with 24/28mm glass units.



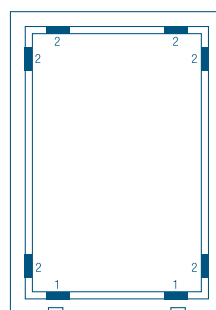
Sealed Unit Packing Guide



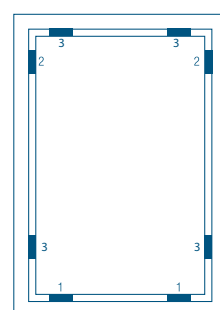
Side Hung Sash



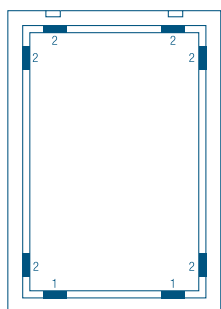
Tilt & Turn Sash



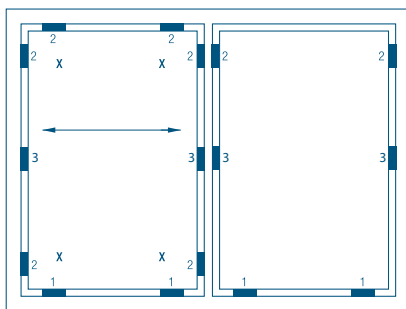
Tilt Sash



Fixed Light



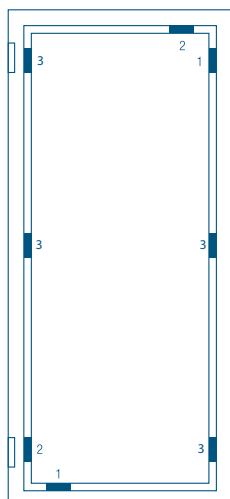
Top Hung Sash



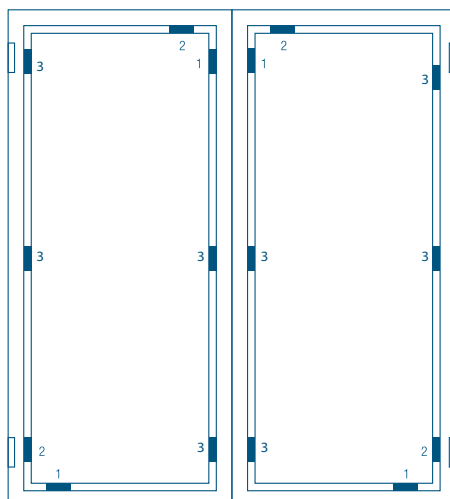
Sliding Element

Key

- 1** Load bearing setting blocks, 100mm long, approx. 100mm from each corner.
- 2** Location blocks.
- 3** Additional packers
- X** Location blocks of shock absorbing material.



Door



French Door

Note:- That additional packing may be required around the hardware keeps, pull-in wedges etc.

Note:- The 60mm sculptured sash requires the bridge packer to be split for the standard packer to sit on.

To request information on packing for bi-fold doors please contact your local depot or email: marketing@suntradewindows.com

T: 01443 409 044
W: decoglasswales.co.uk

Unit 33, Albion Industrial Estate, Cilfynydd, Pontypridd, Thondda Cynon Taf, CF37 4NX.