



T H E R H I N O D O O R

R H I N O A L U M I N I U M

Installation Instructions – The Rhino Door

Congratulations on your purchase of The Rhino Door, a premium flush aluminium entrance door system manufactured to the highest standards. With correct installation and ongoing care, your Rhino Door will deliver outstanding performance, security and appearance for many years to come. These instructions are intended as a practical guide to ensure a smooth and correct installation. As The Rhino Door is a precision-engineered product, we strongly recommend installation is carried out by a competent professional installer.

Before You Start

Unpacking & Checks

- Carefully unpack the doorset and check all components are present, including:
 - Door slab
 - Frame
 - Handles and hardware
 - Keys
 - Any additional accessories or sidelights
- Inspect all items for transit damage before installation begins.
- Retain all packaging until installation is complete. This may be required if a claim for transit damage is necessary.
- Claims for missing or damaged items cannot be accepted once the doorset has been installed.

Cleaning & Protection

- Clean aluminium surfaces using warm soapy water (approx. 5% liquid soap, 95% water) and a soft damp cloth, or approved Rhino Door cleaning products.
- Do not use abrasive cleaners, solvents, bleach or chlorine-based products.
- During installation and any surrounding building works, protect the door and frame from cement, lime, plaster and brickwork splashes. These substances can permanently stain aluminium if not removed immediately.

Installation Guidance

1. Finished Floor Level (FFL)

- Establish the finished floor level before positioning the frame.
- The bottom of the Rhino Door threshold is designed to sit in line with the FFL.
- Where threshold support material is supplied beneath the threshold, the sub-floor may need to be locally lowered (typically around 50mm) to maintain correct threshold height and performance.
- Sub cills can be made available to support the threshold and manage drainage.

Our door slabs are not easy to remove and we recommend using support methods with the slab in the frame.

2. Fixing the Frame

Hinged Side & Head

- Fix directly through the aluminium frame into the surrounding structure using suitable fixings (expanding bolts or appropriate screw and plug system).
- Ensure the frame is 100% level and square in all directions
- Fixings should be positioned:
 - Approximately every 450mm
 - Starting around 100mm from each corner
- Apply the same fixing method to the head of the frame.

Important: Packing must be used between the frame and the structural opening at fixing points to prevent distortion when tightening fixings.

Latch Side

- Fix above and below each latch plate into the most suited part of the construction.
- Fix through the frame as above, ensuring packers are used.

3. Threshold Fixing

- Fix through the central thermal break or support channel as designed.
- Use a sealant within the fixing to prevent any water breach.

4. Sidelights

- Where sidelights are supplied loose glazed, fix directly through the frame before re-glazing, maintaining 450mm centres and 100mm from corners.
- We recommend direct fixing or using suitable fixing lugs.

Alignment & Re-Hanging

5. Frame Checks

- Check the frame is:
 - Square (check diagonals)
 - Plumb (vertical)
 - Level
- The hinged side should feel solid and not flex in any direction.
- The jamb side should feel solid and packed around latch locations.

7. Seal Adjustment

- Check that bottom seals meet the threshold correctly to provide a weather-tight seal.
- If required, adjust the hinges to raise or lower the door (refer to the Dr Hahn rollerband hinge adjustment guidance).
- Minor adjustments may be necessary to compensate for any conflicting levels.

Sealing & Finishing

8. Perimeter Sealing

- Once operation is satisfactory, seal the gap between the frame and the surrounding wall using one of the following, depending on gap size:
 - Pre-compressed sealing tape (e.g. Compriband)
 - Low-modulus silicone sealant
 - Low-expansion foam sealant
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Keep the door closed until sealants have fully cured to prevent frame movement.

Final Checks

- Confirm all fixings are secure
- Check door operation, locking and alignment
- Clean all visible surfaces
- Remove protective coverings

Aftercare & Support

Please refer to our care and maintenance document. For advice or technical support, please contact:

The Rhino Door

 www.rhinodoor.co.uk

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Specifications and installation details may be subject to change without notice.