

INSTALLING LUX WINDOWS AND DOORS

GENERAL INSTALLATION GUIDE FOR STANDARD LUX PRODUCTS

RECEIVING AND INSPECTION:

- Inspect all products upon delivery. Confirm product is correct BEFORE installation and as ordered. Any "as ordered" discrepancy, visible defect or damage must be provided by [written notice](mailto:lux@luxwindows.com) to lux@luxwindows.com before installation and within 72 hours (3 working days) of delivery. Failure to do so will negate Lux Windows standard policy and may void the warranty in these circumstances.

STORAGE AND HANDLING:

- It is the builders/contractor's responsibility to provide a safe and accessible site for our crews to deliver products. Failure to do so will force Lux Windows employees to use their "Right to Refuse Unsafe Work" under OH&S legislation and an additional delivery charge will be added to the order.
- All products must be handled carefully to avoid damage of any kind. Products must be fully supported and moved in an elevated and vertical position. Avoid impact to the window or door product and provide full support underneath the frame when carrying and installing into the opening. Remove shipping blocks from nailing fin and banding straps if provided, prior to installation.
- Storage space must be covered and adequately ventilated, with protection from water and direct sunlight. Allow for enough space between products for ventilation.

CLEANING, PAINTING, CARE and WARRANTY:

- Ensure weep (drainage) holes, operating tracks and sills are clean and free from debris.
- For care and maintenance, cleaning, painting and warranty information visit our website at www.luxwindows.com

Make sure you install Lux products level, plumb, square, without twists in the frame, and blocked to support full depth of jamb, with shim support along the sill and right side up.

IMPORTANT INSTALLATION STEPS:

Please reference the installation standards as outlined in CSA A440.4.

- 1) Sill plate must be level prior to commencing or shims must be used to ensure the window sill is perfectly level.
- 2) Products installed using a nailing flange and/or brickmold should be sealed to the building structure and vapor barrier on both side jambs and header. Sealing options should be chosen based on best practice and codes prevalent for each situation/installation.
- 3) For swinging and/or sliding door systems ensure a satisfactory seal is applied between the sill protection wrap and underside of sill. The seal should be located on the top surface of the sill dam.
- 4) Shims shall be installed in a manner and in sufficient number to minimize deflection, distortion, or rotation of the frame or sill and permit the proper operation of the window or door. Ensure there is perfect, consistent reveal between all operating door panels and window sashes and its supporting frame.
- 5) Set window with continuous support using shims, ensure product is right side up and centered for equal clearance side to side. Install the shim no closer than 25.4mm (1") from each end of the window frame and under any vertical mullions.
- 6) Check the sill, jambs and head for straightness. If necessary, straighten by shimming as needed. Fasten nailing fins at center point of their pre-punched slots on the jambs and sill.
- 7) Check window operation and check sash alignment on sliders or patio doors. Repeat squaring as necessary.
- 8) Finish fastening product to the opening by securing at the pre-punched holes locations at least every 250mm (12") and no closer than 75mm (3") from corners. Secure fastener at the center of each slot without securing the fastener too tight, because the slots are designed for expansion and contraction.
- 9) Complete the installation with the head flashing. Ensure the flashing is sloped, has end dams and extends a minimum of 25mm (1") on both ends of the window frame. The flashing must be fastened above the window fin to avoid damages and is sealed to prevent water penetration.

Poor installation of swing doors is THE most common problem in our industry. Making sure the rough opening is plumb, square and level is imperative. Extra care and attention when setting, shimming, installing hardware and insulating will reduce the chances of any problems and unneeded costly repairs. Remove a screw on the top hinge, frame side, closest to the door weather-stripping and insert a 3" screw in its place. This will relieve some of the weight on the door and will stop the door from settling. When setting your new Lux door, the reveal between the door panel and door frame should be approximately 3mm (1/8"). If the door panel is rubbing against the door frame, the installation is incorrect and must be rectified.

WHAT YOU NEED TO KNOW ABOUT LUX SWING DOORS:

- Lux swing doors have a shipping/lift block located between the door panel and sill, opposite of the hinge side which needs to be removed after the installation is complete.
- Lux swing doors have corner squaring braces located on the top, interior side of the frame which help keep the door square during shipping and installation. These braces are NOT to be removed until the door is installed and set. Use a utility knife to remove the section of the brace which is on the face of the door, leaving the section on the door frame inside the insulation space.
- Lux door sills have a nailing fin which is great to fasten and support the whole sill and to impede water ingress. The nailing fin can be removed if it doesn't work for your application.
- Lux doors with multi-point locking hardware should ALWAYS be engaged when the door is closed. This will ensure a proper seal, provide extra security and keep the door from thermal bowing.
- Lux doors without multi-point are equipped with adjustable striker plates for the dead bolt and passage hardware. You can loosen off the set screws and move the tongue for your desired operation and compression against the seals.

REFERENCES FOR INSTALLATION METHODS:

- Our products are performance tested in accordance to installation methods outlined in CSA A440.4.
- Canadian Standards Association www.csa-international.org
- CSA Window and Door Installation Guide www.csa.ca or Call Toll-Free at 1-800-463-6727 to receive your own copy.
- American Architectural Manufacturers Association www.aamanet.org

WARNING! Proper installation is required for the product to perform as intended. Improper installation may result in excessive air, water, sound, leakage and condensation causing damage to walls, windows, doors and their respective finishes. Always ensure proper installation by qualified personnel. It is the responsibility of the owner, architect or builder to select and install products in compliance with applicable laws and building codes.