

IMPACT VINYL WINDOWS

Double-Lifetime Limited Warranty

REPLACEMENT PRODUCTS

PerfeXion® by Norandex™ Impact Products ("Product") includes the vinyl and hardware components, hardware, glass, and screens. This Limited Warranty applies only when all of these parts are genuine Norandex components.

Coverage

Double-Lifetime Limited Warranty – Residential

10-Year Limited Warranty – Commercial/Multi-Resident

Subject to the limitations and exclusions herein, and for the duration of the applicable Warranty Period of the Residential Warranty Holder or Commercial/Multi-Resident Warranty Holder (as defined below), Norandex, a Division of American Builders & Contractors Supply Co., Inc. (hereinafter, "Norandex"), warrants that the Product will be free from non-conformities in material and workmanship. Norandex will repair or replace any Product that fails to meet this Limited Warranty of a Residential Warranty Holder that is installed up to an elevation of not more than three (3) stories (for Product installations over three stories contact Norandex for warranty consideration); provided in either case, Norandex may refund the purchase price (the lesser of the original Product/component purchase price or the original catalog list price) if in Norandex's opinion such repair or replacement is not commercially practical or reasonable or cannot timely be made. This Limited Warranty is applicable to Products purchased and installed in the United States or Canada only. It is not a manufacturing or material defect if the window glass shatters, or the screen is damaged when impacted by high winds and/or wind-borne debris and the glass remains adhered to the interlayer. There is also no manufacturing or materials defect if flying glass or wind-borne debris damages the frame or screen. It is not a manufacturing or material defect if the window glass shatters or the screen is damaged when impacted by high winds and wind-borne debris that exceed the established parameters in the below-mentioned codes.

PerfeXion Impact window and door products are manufactured to meet or exceed codes mandated by legislation for areas where high winds may occur. When properly installed according to the published instructions, all PerfeXion Impact products have been tested and certified to meet the following recognized standards for areas where high winds and wind-borne debris become a factor.

Florida Building Commission

- AAMA 506 – Voluntary Specifications for Impact and Cycle Testing of Fenestration Products
- American Society for Testing and Materials (ASTM) – E1886 & E1996 (Standard Impact)
- HVHZ (High Velocity Hurricane Zone) Test Standards
 - TAS 201 – Large and Small Missile Test Standard
 - TAS 202 – Uniform Structural Load Standards
 - TAS 203 – Uniform Cyclic Pressure Test Standard

- Texas Department of Insurance (TDI) – TDI 1-98, 2006 IBC (International Building Code) and IRC (International Residential Code) with Texas

This Warranty does not cover damage caused by natural forces that exceed the established parameters set forth in the above-mentioned codes.

Labor

Labor costs are not included in this Limited Warranty and neither Norandex nor its distributors will be responsible for any costs incurred in the removal, replacement, installation, reinstallation or repair of the Norandex Product.

Warranty Period

READ the Entire Limited Warranty for the conditions and limitations that apply to this information

PerfeXion Impact	Warranty Holder - Classification and Duration*	
	Residential	Commercial/Multi-Resident
	PerfeXion Impact	
	Warranty Period	
Vinyl	Double-Lifetime	10 years
Hardware**	Double-Lifetime	10 years
Screens	Double-Lifetime	N/A
Glass	20 years-Lifetime (prorated)	10 years
Laminated Glass	20 years	10 years
Factory-Applied Exterior Coating	10 years	3 years (non-transferrable)

*Measured from the date of the original purchase date of the Product

**10 years on door handle finishes

Warranty Period

For Residential Warranty Holder: Double-Lifetime Limited Warranty The Limited Warranty for Vinyl components, Hardware (excluding patio door handle finishes), and Screens is transferable by the original Residential Warranty Holder one time to a subsequent Residential owner and the Residential Warranty Period will continue ("Double-Lifetime"). If the transfer is to a Commercial/Multi-Resident owner, the warranty will continue only until (and will expire on) the 10th anniversary of the original purchase date of the Product (not transferrable for screens) (that is, the warranty is only transferable by the original Residential owner to a subsequent Commercial/Multi-Resident owner if the transfer occurs during the first 10 years following purchase of the Product). The Limited Warranty for Glass, Laminated Glass, Factory-Applied Exterior Coating and patio door handle finishes (for the Warranty Period stated in the summary chart) is transferable by the original Residential Warranty Holder one time (i) to a subsequent Residential owner and the Limited Warranty will continue only for any balance of the stated Residential Warranty Period or (ii) to a Commercial/Multi-Resident owner if the transfer occurs during the first 10 years following purchase of the Product (first 3 years for Factory-Applied Exterior Coating) and will continue only until the 10th anniversary of the original purchase date of the Product (3rd anniversary for Factory-Applied Exterior Coating). Regardless of the classification of the transferee, the Warranty must be properly transferred following the procedure set forth below in order to be effective.

Commercial/Multi-Resident Warranty Holder: 10 years for Vinyl components, Hardware, Glass, and Laminated Glass (3 years for Factory-Applied Exterior Coating) from the earlier of the date Product was shipped from Norandex or an authorized dealer; transferable to successive non-Residential owners during and for any balance of the 10-year Warranty Period and only if the Warranty has been properly transferred following the procedure set forth below. The three (3) year Factory-Applied Exterior Coating Limited Warranty is not transferable; there is no ongoing warranty for Screens or Glass Breakage.

Warranty Transfer

Any Warranty Transfer described above will be deemed effective only if the following procedure is completed: (1) notice to Norandex within 30 days after the transfer of ownership of the premises where the Products are installed, (2) warranty transfer form completed online at www.norandex.com. Please note you will be required to provide the Product order number (bar code located in the sash head, sill or jamb of each Product).

Warranty Holder Classifications

Residential Warranty Holders: If the Product is installed in (1) a new residential dwelling and the first occupant owns the dwelling or (2) an existing owner-occupied residential dwelling, and in each case, at the time of installation such owner is also responsible for Product replacement, then that owner is a Residential Warranty Holder. For example, assume the Product is installed in a condominium unit (a "dwelling") in a multi-resident building. If the first occupant of the condominium unit is the first owner of that unit (or the first Residential successor of the first owner) and is also responsible for Product replacement, then that owner is a Residential Warranty Holder; however, if the owner is not the first occupant (nor the first Residential successor of the first owner) or if someone else other than such owner (for example, the condominium association) is responsible for Product replacement, then the owner is not a Residential Warranty Holder.

Commercial/Multi-Resident Warranty Holders: If the Product is installed under conditions in which no one qualifies as a Residential Warranty Holder as described above, then the warranty holder is the owner of the dwelling or building in which the Product has been installed at the time of installation (and its builder and contractor). That owner is classified as a Commercial/Multi-Resident Warranty Holder. For example, this includes owners of commercial or investment buildings, or multi-resident premises in which the occupant is not responsible for Product replacement whether or not the occupant owns the residential dwelling unit in the premises (including by example, certain condominiums, town homes, duplexes, apartments, cooperatives).

This Limited Warranty is further subject to the limitations and exclusions below:

Vinyl (General)

Double-Lifetime – Residential; 10-years – Commercial/Multi-Resident

Vinyl components of Products (excluding any Factory-Applied Exterior Coating) are warranted against peeling, flaking, chipping, blistering and corrosion for the applicable Warranty Period. If such defects occur, Norandex will provide replacement parts at no charge to the Warranty Holder. Norandex reserves the right to provide replacement products with comparable functionality but replacement products are NOT guaranteed to match the color of the original Product or component or of other windows or doors in the premises. This Limited Warranty becomes void if the vinyl or any interior surface or laminate is painted, stained, or if the surface is altered in any way, or as provided below at "WHAT THIS WARRANTY DOES NOT PROVIDE."

Factory-Applied Exterior Coating

Residential – 10-years; transferable and continuing until 10th anniversary of Product purchase Commercial/Multi-Resident – 3-years; not transferable

For Products purchased with a factory-applied exterior coating on the vinyl components, the factory-applied exterior coating is warranted to the Residential Warranty Holder against peeling, flaking, chipping, blistering and corrosion, and for significant ultraviolet fading or discoloration caused by natural environmental conditions (subject to the limitations below), for the applicable Warranty Period. If such defects occur, Norandex will, at its option, provide the Warranty Holder factory-authorized repair at no charge, or provide replacement parts only at no charge to the Warranty Holder (assembly and labor not included), or refund the purchase price of the Product or component (the lesser of the original Product or component purchase price or the original catalog list price at the time of purchase). Repaired or replaced Products or components are NOT guaranteed to match the color of the original Product or component or of other windows or doors in the premises, due, in part, to the normal effects of weathering over time on exterior coating or finishes. This Limited Warranty does not include non-conformities or damage attributable to or arising from:

- Any painting, staining, or other alteration of the factory-applied exterior coating surface of the Products
- Minor scratches or minor visual imperfections within the Product's standard manufacturing and quality specification parameters. For questions or to purchase a touch-up kit, contact 1-800-746-6686.
- Damage to the factory-applied exterior coating occurring after the Product leaves Norandex's facility, whether arising during pre-installation handling or storage (including inadequate shelter or inadequate venting of shipping wrap in hot and humid locations), installation, maintenance, or otherwise
- Minor scoring or scratching of the factory-applied exterior coating surface due to normal operation of the Products is not considered a manufacturing defect
- Chemicals or solvents, including by example, acidic brick washes, or stucco leach
- Maintenance inconsistent with the Care and Maintenance recommendations set forth in the Limited Warranty
- Harsh natural environmental conditions, including by example, from substantial exposure to the sun, salt spray or airborne pollutants
- Excessive artificial temperature buildup or exposure, including by example, from the use of storm doors or windows or shutters under certain circumstances
- Installation in locations or a manner that exceeds or deviates from product design standards and/or testing and certified performance specifications, and/or not in compliance with building codes
- Labor for removing, installing, or replacing Product or components or labor for other materials that are removed, reinstalled or refinished in conjunction with repairing or replacing the Product or component
- Fading, discoloration, or color change of the factory-applied color coating that equals or is less than five (5) E units, calculated in accordance with ASTM D2244, paragraph 6.2, effective on the date the Product is manufactured, and which covers less than a material portion or the exterior vinyl components of the Product. Color change will be measured on an exposed colored surface of the Product that has been properly cleaned of soils, and the corresponding values measured on the original or unexposed colored surface. Non-uniform fading or color change is a natural occurrence if the exterior surfaces of the Product are not equally exposed to the sun and other environmental conditions.
- Any matter stated in "WHAT THIS WARRANTY DOES NOT PROVIDE"

Hardware

Double-Lifetime (10 years door hardware finish) Residential; 10-years – Commercial/Multi-Resident

The Product Hardware (mechanical and locking mechanisms, hardware finishes [standard and custom] and other operating hardware components) is warranted against peeling, flaking, rusting, blistering, corrosion, and breaking during the applicable Warranty Period; however, Product Hardware on Casement/Awning style windows and Patio Doors installed within two (2) miles of any body of salt water with stainless steel and/or coastal product hardware (i.e., no finish) is only covered by a TWO (2) YEAR WARRANTY PERIOD. If a defect covered under this section occurs, Norandex will provide replacement parts at no charge to the Warranty Holder. Repaired or replaced hardware or Products with hardware are NOT guaranteed to match the color of the original Product or component of other windows or doors in the premises.

The provisions of "WHAT THIS WARRANTY DOES NOT PROVIDE" apply:

Product Hardware	Residential	Commercial/ Multi-Resident
Mechanical and Locking Mechanisms and Finish: Windows (for windows: cam locks, lift handles, crank handles, and any applied lift/pull handle not extruded as part of the vinyl sash)		
- With Standard Finishes (white, tan) and Custom Finishes (polished brass)	Double-Lifetime	10 years
Mechanical and Locking Mechanisms and Finish: Door (for patio doors: patio door handles and locksets or multi-point locking system)		
- With Standard Finishes (white, tan) and Custom Finishes (satin nickel, dark bronze)	10 years	10 years
Other Operating Hardware Components: (for windows: fasteners, rollers, balances; for patio doors: hinges)	Double-Lifetime	10 years

Screens: Double-Lifetime – Residential

The Product's screen frame is warranted to the Residential Warranty Holder against peeling, flaking, blistering and corrosion for the Warranty Period. The fiberglass screen mesh is warranted to the Residential Warranty Holder against insect damage, accidental punctures, and tears for the Warranty Period. If such defects occur, Norandex will ship via common carrier replacement screens at no charge to the Residential Warranty Holder. This Limited Warranty does not include:

- Screen material damage caused by domestic or wild animals
- Bent screen frames due to improper installation or removal
- Installation and the cost of labor for screen replacement
- Any matter stated in "WHAT THIS WARRANTY DOES NOT PROVIDE"

Insulating Glass Unit: 20-years to Lifetime (Prorated) – Residential; 10-years – Commercial/Multi-Resident

The installed and sealed insulating glass unit is warranted against permanent and material obstruction of vision from film formation caused by dust or moisture in the air space between the glass for the Warranty Period. The internal grid is warranted against insert slippage, flipping or sagging for the Warranty Period. If such defects occur during the first 20 years of the Residential Warranty Holder's Warranty Period or falls during the first 10 years of the Commercial/Multi-Resident Warranty Holder's Warranty Period, Norandex will provide a replacement insulating glass unit at no charge to the Warranty Holder.

Insulating glass units containing capillary tubes (recommended for use in insulating glass units traveling through or being installed in areas with elevations 7,000 feet or more above sea level) are warranted against permanent and material obstruction of vision from film formation caused by dust or moisture in the air space for the Warranty Period. If such defects occur during the Warranty Period, Norandex will provide a replacement insulating glass unit at no charge. If the glass should fail after the designated time period, Norandex will charge the full selling price for the insulating glass unit.

If the defects occur after the initial no charge replacement period, Norandex will cover for a Residential Warranty Holder a fixed percentage of Norandex's list price of the insulating glass unit on the Warranty Holder's date of purchase, according to the following prorated schedule.

PerfeXion by Norandex Impact Series	100%	75%	50%
PerfeXion Impact Windows and Doors:	0-20 Yrs.	21-50 Yrs.	51 Yrs.- Lifetime

The Limited Warranty for Glass does not include:

- Minor variations in glass color or imperfections that do not affect the structural integrity of the glass or do not permanently and materially obstruct vision, including but not limited to minor distortion or waviness inherent to heat-strengthened, tempered and laminated glass.
- Damage to adjacent buildings or building components as a result of sunlight reflecting off of the window. This reflected light is not a defect or deficiency in the glass or the window.
- Any sound that occurs from the grids tapping or otherwise striking the glass due to vibrations from use of the window or exterior vibrations to the windows (such as caused by opening or closing the window or a nearby door, animals, person, or objects striking the glass; wind; or outside traffic, trains, or airplanes, etc) is not considered an imperfection or defect, nor is the grid touching the glass (even in triple-strength units) considered an imperfection or defect.
- Glass covered with after-market window films, coatings or other products not originally supplied by Norandex
- Stresses from localized heat which cause excessive temperature differentials over the glass
- Post-manufacture dissipation of inert gases (as Argon), or the amount of gas in Products with inert gas-filled insulating glass
- Scratches or other imperfections not readily observable beyond four feet away
- Mineral deposits
- Internal and external condensation*, frost, dew or mold resulting from humidity within the building or from outside conditions along with interior/exterior temperature differentials

*There is no such thing as a condensation-free window in high humidity conditions. Controlling the amount of moisture in your home is the most effective action you can take to avoid internal condensation. External condensation can also occur under certain atmospheric conditions. When the external glass temperature drops below the outdoor dew point temperature, exterior condensation can occur. For additional information concerning condensation, please visit www.norandex.com.

Laminated Glass: 20-years – Residential 10-years – Commercial/Multi-Resident

The laminated glass feature, also referred to as a PVB interlayer, is warranted against defects resulting in material obstruction of vision or delamination under normal usage. If such defects occur during the first 20 years of the Residential Warranty Holder's Warranty Period, or occur during the first 10 years of the Commercial/Multi-Resident Warranty Holder's Warranty Period, Norandex will provide a replacement insulating glass unit with the laminated glass feature at no charge to the Warranty Holder. For clarification, all other provisions of this Limited Warranty applicable to the Insulating Glass Unit continue to apply to Product purchased with the optional laminated glass feature.

What This Limited Warranty Does NOT Cover

a) Generally

- This Limited Warranty does not include non-conformities or damages attributable to or arising from
- Minor scratches or minor visual imperfections
 - Negligence; vandalism, riot or civil disorder; acts of terrorism; improper use, installation, finishing, maintenance or operation inconsistent with Norandex's recommendations and written instructions that are generally available in Norandex's installation instructions as updated by bulletins or other written communications or on Norandex's website, www.norandex.com. Improper pre-installation storage, including inadequate shelter or inadequate venting of shipping wrap in hot locations
 - Misapplication or faulty building design or construction, including inadequate flashings or caulking; building settlement or structural failures of walls or foundations
 - Subjection to improper temperature, humidity, or other environmental conditions, including by example, harmful fumes, vapors, solvents, chemicals, or pollutants in the atmosphere
 - Normal wear and tear, including without limitation, wear and tear to weatherstripping or door bottom gaskets
 - The caulking used to seal the frames or trim packages
 - Labor costs are not included under this Warranty and neither Norandex nor its distributors will be responsible for any costs incurred in the removal, replacement, installation or reinstallation of the Norandex product, or any part thereof, furnished by Norandex under this Warranty
 - Product installations over an elevation of three (3) stories, unless a written exception to this Limited Warranty exclusion has been obtained from Norandex
 - Products installed other than in the United States or Canada

b) Certain Environmental Conditions

This Limited Warranty does not guarantee safety for persons or property, nor make a premises hurricane-proof or impact-proof. Follow weather and news reports in order to assess severe weather situations and obey local authorities' shelter and evacuation orders. This Limited Warranty does not cover damage attributable to or caused by acts of nature that include, but are not limited to, stresses, high winds, floods, fire and other conditions that exceed Product designs that are tested and certified as referenced in Norandex's published literature. **CERTIFICATION APPROVAL, RATING, AND REFERENCES TO OTHER PERFORMANCE STANDARDS MEAN THAT THE PRODUCT MEETS THE ESTABLISHED SPECIFICATION PARAMETERS OF THE CERTIFICATION PROCESS OR STANDARD TESTING AT THE TIME THE PRODUCT IS MANUFACTURED.** However, with exposure over time to environmental conditions, including by example, high-wind events and other forces of nature, the Product will be subjected to normal and abnormal wear and its performance capability may change. Consult local building code laws, and the certification and rating agencies' published materials and websites, for guidelines on the standards necessary to meet all regulations and codes in your area. Product features designed to help address pressurization of a building during high-wind or other severe storm events are not a guarantee against water and air infiltration. Norandex is not responsible for claims or damages caused by water or air infiltration or improper installation. PRODUCT SELECTION IS THE SOLE RESPONSIBILITY OF THE WARRANTY HOLDER.

c) Damage From Failure to Inspect Product Following Each High-wind or Impact Event

Product that is subject to any high-wind event or the possibility of having been impacted by wind-borne debris should be promptly inspected by the Warranty Holder or by a building professional if the Warranty Holder cannot perform this inspection themselves or if there is concern about Product damage. Proper care and maintenance of the Product is the responsibility of the Warranty Holder and failure to do so may void the Limited Warranty. Although a Product may appear to be in good working condition, the effects of such an event(s) may have adversely affected the ability of the Product to provide subsequent protection against another such event.

This Limited Warranty's Exclusive Remedy

If the Product or any components fail to meet this Limited Warranty, Norandex's sole obligation is to either (as Norandex elects): a) repair the component (aesthetic matching not guaranteed); or b) provide replacement component(s) to the Warranty Holder or to the Norandex designated dealer (aesthetic matching not guaranteed); or c) refund the Warranty Holder's purchase price (the lesser of the original Product/component purchase price or the original catalog list price); the cost of labor is Norandex's obligation only as expressly provided under "Coverage." Repaired or replaced components are warranted only on the same terms and for the remainder of the Warranty Period. Norandex reserves the right to discontinue or change any Product. If the Product or component is not available, Norandex may select and provide a replacement Product or component of equal quality and price. This is the Warranty Holder's sole and exclusive remedy for the Product under this Limited Warranty. By example but not limitation, this Limited Warranty does not cover the following costs and expenses: (i) except as expressly set forth in this Limited Warranty, labor for removing, reinstalling, refinishing Product (or other materials that are removed, reinstalled or refinished to repair or replace the Product); (ii) shipping/freight expenses to return the Product to Norandex; (iii) normal maintenance; or (iv) consequential, special, or indirect losses or damages of any kind.

Disclaimer of Warranties

THIS LIMITED WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, EXPRESSED OR IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT THAT ANY IMPLIED WARRANTIES MAY NONETHELESS EXIST BY OPERATION OF LAW, SUCH WARRANTIES ARE LIMITED TO THE DURATION PROVIDED BY LAW. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY. NORANDEX DOES NOT AUTHORIZE ANYONE TO CREATE FOR IT ANY OBLIGATION OR LIABILITY IN CONNECTION WITH PRODUCTS.

Limitation of Liability

NORANDEX'S SOLE LIABILITY UNDER THIS LIMITED WARRANTY IS REPLACEMENT, REPAIR, OR REFUND OF THE PURCHASE PRICE AS SET FORTH ABOVE (AND LABOR AS EXPRESSLY SET FORTH ABOVE). IN NO EVENT WILL NORANDEX BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGE OF ANY KIND TO A PREMISES, LOSS OF PRODUCT USE, REINSTALLATION, LABOR, REMOVAL, REFINISHING (EXCEPT TO THE EXTENT EXPRESSLY PROVIDED IN THIS LIMITED WARRANTY), TEMPORARY OR PERMANENT RELOCATION OF RESIDENTS OR PROPERTY, LOSS OF PROFITS/REVENUE, INTEREST, LOST GOODWILL, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS OR WORK, INCREASED OPERATING EXPENSES, EMOTIONAL DISTRESS CLAIMS, OR CLAIMS OF THIRD PARTIES FOR SUCH DAMAGES, WHETHER BASED ON CONTRACT, WARRANTY, TORT (INCLUDING, BUT NOT LIMITED TO, STRICT LIABILITY OR NEGLIGENCE) OR OTHERWISE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY. THIS LIMITED WARRANTY PROVIDES SPECIFIC LEGAL RIGHTS BUT WARRANTY HOLDER MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. IF THIS LIMITED WARRANTY IS DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE, IN NO EVENT WILL NORANDEX'S ENTIRE LIABILITY EXCEED THE LESSER OF THE PRODUCT'S OR THE NON-CONFORMING COMPONENT'S PURCHASE PRICE.

Claims

Claims must be initiated during the Warranty Period. To initiate a claim, please contact the builder, dealer or contractor who installed or sold the Product. If that party is unknown or unreachable, contact Norandex c/o Simonton Windows, inc. at 1-800-746-6686 or www.norandex.com. Claimant will be required to provide proof of premises ownership, the date of Product purchase, the order number (bar code located on the sash head, jamb or sill of each Product), and specify the alleged defect. Norandex reserves the right to inspect the Product, and may be required to return the Product or component to Norandex (at Claimant's expense). Homeowners who have PerfeXion by Norandex Impact windows installed in their homes and have experienced windborne debris should contact their builder or contractor if they have concerns about storm damage to their windows, screens or doors. It is the responsibility of the homeowner to notify and inform the company providing the insurance coverage as to any potential problems that may exist. Although each window and door may appear to be in good working condition, the effects of the previous event(s) may affect the ability of the product to provide subsequent protection against another high-wind event. Please see the Homeowner Checklist below. This list should be used to inspect each window and door following a high-wind event.

Homeowner Checklist for Impact Windows Affected by a High-Wind Event or Hurricane

1. Check for visual damage on each window. Is the glass broken or cracked as the result of the event? Are vinyl or aluminum members of the frame or sash cracked or damaged as a result of the event? If the answer is "YES" to either of these questions, call your insurance company to assess the damage. If the answer is "NO", continue to the next check section.
2. Ensure the window is still functional. USE EXTREME CAUTION WHEN OPERATING WINDOWS IN CASE THE SASH IS NOT SECURED IN THE FRAME!
 - a. Will the sash move freely up and down?
 - b. Will the Casement sash crank in and out?
 - c. Will a door swing out and in? Will a sliding door move freely back and forth?
 - d. Will a Slider (glider) sash move freely to the left and right?
 - e. Picture windows are non-operational and will not require this test.
 - f. Test the locking system. Are you able to lock the window or door?

If the answer is "NO" to ANY of these questions, call your insurance company to assess the damage.

Care and Maintenance of Your Vinyl Windows and Doors

Congratulations on choosing windows and doors that offer the easy care and maintenance of vinyl. Vinyl won't pit, peel or flake over time. As a result, with only simple care and cleaning, your windows and doors can keep their beautiful appearance for years.

Like any surface exposed to outside elements, your windows and doors will get dirty from time to time, but cleaning them is rather simple. Often, heavy rains will wash the vinyl clean, but if the rain isn't enough, you can restore the splendor of your windows and doors by following these simple instructions.

- Wash using mild detergent (if necessary) and a soft cloth or ordinary soft bristle brush. **Do not clean the windows or doors with a high-pressure washer. The extreme spray pressure could crack or destroy the caulking around the window or door.**
- For difficult to remove dirt and stains use the readily available household cleaners listed on the chart. Follow the manufacturer's instructions on the use of cleaners.
- In some cases, you may wish to use a mildly abrasive cleanser such as Soft Scrub®, but the use of any abrasive material could scratch the surface of the glass and window or door frame.
- DO NOT USE liquid grease remover, adhesive removers such as Goo Gone®, strong soaps or detergents containing organic solvents, nail polish remover, furniture polish or cleaners containing chlorine bleach. These items could affect the surface appearance of the vinyl.

Cleaners* to Help Remove Stains From Vinyl Windows and Doors

Bubble Gum	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Murphy Oil Soap®, solution of 30% vinegar and 70% water, Windex®
Crayon	Lestoil®, Mr Clean® Magic Eraser®
DAP (oil based caulk)	Fantastik® Scrubbing Bubbles® All Purpose Cleaner
Dirt and Scuff Marks	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Lestoil®, Mr Clean® Magic Eraser®, Murphy Oil Soap®
Felt-tip Pen	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, water-based cleansers
Grass	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Lysol®, Murphy Oil Soap®, Windex®
Lipstick	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Lysol®, Murphy Oil Soap®
Lithium Grease	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Lestoil®, Murphy Oil Soap®, Windex®
Mold and Mildew	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, solution of 30% vinegar and 70% water, Windex®
Motor Oil	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Lysol®, Murphy Oil Soap®, Windex®
Oil	Soft Scrub®
Paint	Mr Clean® Magic Eraser®
Pencil	Soft Scrub®, Mr Clean® Magic Eraser®
Rust	Fantastik® Scrubbing Bubbles® All Purpose Cleaner, Murphy Oil Soap®, Windex®
Tar	Soft Scrub®

*Cleaning materials are listed in alphabetical order

Glass

- For routine cleaning, we recommend using a 30% white vinegar and 70% water premixed cleaning solution. Use a soft, lint-free cloth or paper towels to wipe clean, rubbing in different directions. If there is any residual streaking, rinse with clear water and wipe again.
- Ammonia-free glass cleaners such as Windex® also produce good results.
- Rinse windows and doors first if there is excessive dirt and debris.
- Thoroughly dry water and/or cleaning solution from glass and all window surfaces.
- **DO NOT clean glass with a high-pressure washer. The extreme spray pressure could damage the glazing and destroy the seal of the insulating glass unit.**
- DO NOT USE razor blades, metal blades, abrasive cleaning solutions or materials to clean the glass due to the high probability that damage to the glass will occur.

Exterior Coatings

- Wash using mild detergent (if necessary) and a soft cloth or ordinary long-handled soft bristle brush. **Do not clean the exterior coating with a high-pressure washer. The extreme spray pressure could damage the surface or crack or destroy the caulking around the window or door.**
- Mild window cleaners that are safe to clean the exterior coating on windows and doors include Windex® and Formula 409®.
- DO NOT use liquid grease remover, strong soaps and detergents containing organic solvents, nail polish remover, furniture polish or cleansers containing chlorine bleach. These items could affect the surface appearance of the vinyl.

Screens

- For routine cleaning carefully vacuum your window screens.
- To thoroughly clean window screens, remove the screens from the window frame. Place the screens on a flat surface (such as the driveway) and use mild soap and water with a soft bristle brush to remove dirt and grime. Clean both sides of the screen and around the interior and exterior of the frame. Rinse off the unit with lukewarm water. Allow the screen to dry completely before replacing in the window.
- DO NOT use a high-pressure washer to clean screens; it could damage the units.
- Use extreme care when cleaning aluminum mesh, since it can be dented or creased if too much pressure is placed on the screen.

Operation of Your Vinyl Windows and Doors

Along with being virtually maintenance free, your windows and doors have been designed and manufactured to be thermally efficient, aesthetically pleasing and easy to operate. All operable sashes on Double Hung windows tilt in, Slider sashes lift out, Casements open by turning the handle and patio doors feature corrosion-resistant rollers.

To tilt in the operable sash on Double Hung windows, you must:

- Unlock the bottom sash and raise it approximately 4" above the frame.
- On the top of the sash you'll find the tilt latches. Slide the tilt latches toward the window lock and gently tilt and lower the sash towards you, letting it rest against the window sill.
- PerfeXion Impact laminated glass will make the Double Hung sash very heavy. If the sash can't hang down freely, you most likely need assistance to support the tilted sash while cleaning. While cleaning the window, make sure you do not hold the tilted sash at a 90-degree angle and do not push up on the sash where it connects to the frame of the window. Doing these things may cause the sash to disengage from the frame. If this happens, see below instructions on how to reinsert the sash into the frame.
- To clean the top sash on Double Hung windows, the bottom sash needs to be tilted in and resting on the sill prior to tilting the top sash. The top sash can tilt in and rest on the open tilted bottom sash for easy cleaning.
- When finished cleaning, tilt the top and bottom sash up and snap the tilt latches into place. For safety, make sure the tilt latches are securely engaged.
- If it becomes necessary to remove and reinsert the sash, tilt the sash inward to a 90-degree angle and lift the bottom of the sash up and out of the frame. To reinsert the sash into the frame, make sure both pivot bars (located at the bottom of the sash) are fully inserted into the balance shoes.

To remove a Slider sash, simply:

- Unlock the sash and slide it past the sash retainer insert located in the head. Note: *Some windows may have a sash retainer clip instead of an insert that must be removed before opening the sash.*
- Lift the sash up into the head and pull the bottom of the sash towards you.

To operate Casements:

- Lift the handle on the side of the frame to unlock the sash. Turn the handle on the bottom of the frame to open the sash to the desired position.
- Turn the handle in the opposite direction to close the sash. To lock the window, make sure the sash is fully closed then lower the handle on the side of the frame.

To lock doors:

- Close the operable panel and make sure it is fully against the frame.
- Lock the panel with the lever located on the handle.

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WARRANTY FORM

Activate your Double-Lifetime Limited Warranty at www.norandex.com. You will need the following information to complete the warranty registration. Please keep for your records.

Product Information

Installation Date: _____ Order No.: _____

(Your order number can be found on the label affixed in the head or sash of any operating unit. Sample label shown below.)



Number of Windows Purchased: _____ Number of Doors Purchased: _____

Homeowner Information (please print)

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Email: _____

Dealer Information (please print)

Company Name: _____

Dealer Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Email: _____

