



TWIST™

A NEW TWIST IN TILT-AND-TURN PRODUCTS

ph
TECH
Reach further



TWIST™ WINDOWS AND DOORS ARE TURNING HEADS IN NORTH AMERICA!

Inspired by high-performance European tilt-and-turn designs, we've used our sophisticated technology to create a diverse array of attractive window and door solutions that meet North American building requirements. To incorporate this exciting, unified look in your next residential or commercial project, just turn to TWIST™ from P.H. Tech.



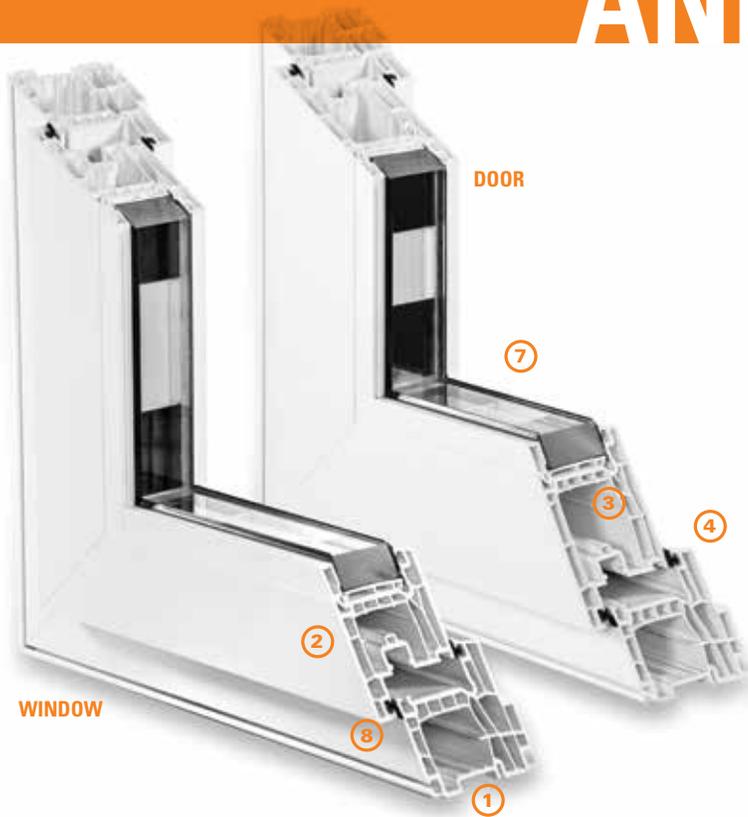
STUNNING, SLEEK, BRIGHT

Our tilt-and-turn doors and windows feature sophisticated technology for truly outstanding fenestration.

- Intelligent design for maximum brightness and unimpeded views: straight sash profile, slightly beveled frame profile
- Doors and windows with a unified and consistent look make them easy to pair with existing windows
- Doors with or without visible hinges that come in various sizes (up to 4.1" or 105 mm)
- Invisible spacer for impeccable esthetics
- Frame and sash geometry compatible with visible and invisible hinges
- The ideal solution for creating large windows that open

P.H. Tech tilt-and-turn doors and windows are designed to meet the latest and most stringent energy efficiency standards. They offer hassle-free operation for years to come.

UNPARALLELED DURABILITY AND EFFICIENCY



FINISHING ACCESSORIES

Frames are equipped with numerous interior and exterior grooves for a sleek look and no interference with hinges.

FEATURES

1. 3 ¼" (82.5 mm) PVC frame
2. 2.5 mm exterior walls and interior walls among the thickest on the market, for maximum insulation and durability
3. Multichamber structure (17 chambers in the frame, 13 in the sash) to meet the most stringent performance and energy efficiency standards
4. Continuous double weatherstripping with polymer compression seals to eliminate air and water infiltration
5. Steel reinforcements in the key parts of the frame, sash, and mullion can easily accommodate all sizes
6. Optimized drainage thanks to a pressure balance system and ideally positioned drainage cap
7. Sashes designed to hold and support glass up to 1 ¾" (44.5 mm) thick
8. Door compatible with even the thickest flooring [1.7" (43 mm) clearance]
9. Hardware anchored solidly with steel reinforcements for enhanced durability
10. Multipoint locking system around the entire perimeter for perfect soundproofing and optimum security and airtightness
11. Optional aluminum sill extension for door configurations
12. Spring-loaded screens seamlessly incorporated into the window, for sleek architectural styling





DOORS AND WINDOWS TO MEET ALL YOUR NEEDS



Turn the handle upwards, and the upper part of the sash tilts slightly to allow safe and easy ventilation.

The opening cannot exceed 4" (130 mm) so there's no danger of intruders or accident risk for children. Even the rain can't find its way into your home!

The window remains open for as long as you like, without ever slamming shut in the wind.



Want to ventilate your room thoroughly or open your door as wide as possible to circulate freely indoors and out?

Simply turn the handle to the horizontal position, and the sash pivots vertically to offer a larger opening.



Turn the handle down, and the tilt-and-turn window will be hermetically sealed. No air leakage, no way for burglars to get in.

CONFIGURATIONS



Single or combined tilt-and-turn window



Tilt-and-turn door



Fully opening French door (hinges on the sides and astragal)



Terrace door with central mullion (option of hinges on the exterior walls or on the mullion)

FINISHING

STANDARD COLORS



Blue white



Cream white



Beige

EXTERIOR COLORS

Choose from a vast selection of paint colors. Ask to see samples.



DOUBLENATURE® FINISH: THE BEST OF BOTH WORLDS

A warm and realistic wood finish that can be applied indoors and out.

ADVANCED PERFORMANCE

ENERGY PERFORMANCE

| GLASS | U FACTOR (BTU/H SQ. FT. °F) | SOLAR HEAT GAIN COEFFICIENT (SHGC) | ENERGY EFFICIENCY (EE) | ZONES (2015) |
|--|--------------------------------|---------------------------------------|---------------------------|-----------------|
| TILT-AND-TURN WINDOW | | | | |
| Double, low-E argon, 7/8", warm-edge spacer | 0.27 | 0.46 | 32 | 1,,2 |
| Double, low-E argon, 7/8", warm-edge spacer, reinforced window | 0.28 | 0.46 | 31 | 1, 2 |
| Triple, low-E argon, 1 5/8", warm-edge spacer, | 0.18 | 0.37 | 38 | 1, 2, 3 |
| Triple, low-E argon, 1 5/8", warm-edge spacer, reinforced window | 0.19 | 0.37 | 37 | 1, 2, 3 |
| TILT-AND-TURN DOOR | | | | |
| Double, low-E argon, 7/8", warm-edge spacer, reinforced door | 0.28 | 0.42 | 29 | 1, 2 |
| Triple, low-E argon, 1 5/8", warm-edge spacer, reinforced door | 0.19 | 0.34 | 35 | 1, 2, 3 |

AIR-WATER-STRUCTURAL PERFORMANCE

| | SIZES TESTED MM (IN.) | NORTH AMERICAN HARMONIZED STANDARD AAMA/WDMA/CSA 101/I.S.2/AA440-08 |
|----------------------|--------------------------|--|
| Tilt-and-turn window | 1220 x 1830 (48 x 72) | CW-100-DAW |
| Tilt-and-turn door | 1000 x 2100 (39 x 82) | CW-100-DASHD |



SYSTEM WARRANTY

P.H. Tech Inc. provides a 20-year limited warranty on all residential PVC profiles. Manufacturer's warranty may offer coverage that is different than P.H. Tech's.

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