

Tyrol Series TR-9



Tyrol Series TR-9 Windows and Doors

TR-9 windows and doors combine best-in-class European styling and quality German hardware with the outstanding performance, craftsmanship and short lead times you've come to expect from Alpen High Performance Products.

The Tyrol Series is a fiberglass reinforced polymer system composed of a proprietary fiber composite material, RAU-FIPRO™, and is similar to composites employed in aeronautic construction and racing vehicles for outstanding strength and load capacities. Combined with Alpen's multiple glazing options, this unique uPVC frame design substantially improves thermal performance and provides multiple chamber insulation options.

Benefits:

- NFRC whole-window ratings up to R-9.1 (U-0.11)
- Center-of-glass performances from R-10.0 (U-0.08) to R-14.3 (U-0.07)
- AAMA certified for residential, commercial and multifamily applications
- Based on the award winning Rehau 4700 Geneo profile
- Fiberglass-reinforced profile allows for larger sizes without steel reinforcement





Tyrol Series TR-9



TECHNICAL SPECIFICATIONS



Tyrol Series TR-9 Full Frame NFRC Thermal Performance:

| TR-9 (Standard Foam) | Description | | | NFRC Full-Frame / Total Unit Performance | | | |
|-------------------------|----------------|---|--|---|---------|------|------|
| | Glass Package | Use | Makeup | U-factor | R-value | SHGC | VT |
| Fixed | Balanced-9 | Lowest U-factor All Climate Best Insulation | Quad Pane with Suspended Film, Krypton Gas Fill | 0.11 | 9.1 | 0.24 | 0.38 |
| | SolarControl-9 | Lowest Solar Heat Gain Coefficient | Quad Pane with Suspended Film, Krypton Gas Fill | 0.11 | 9.1 | 0.18 | 0.40 |
| | HighGain-9 | Low U-factor, High Gain/ Passive Solar Homes | Quad Pane with Suspended Film, Krypton Gas Fill | 0.12 | 8.3 | 0.35 | 0.49 |
| Tilt Turn/ Hopper | Balanced-9 | Low U-factor All Climate Best Insulation | Quad Pane with Suspended Film, Krypton Gas Fill | 0.13 | 7.7 | 0.21 | 0.33 |
| | SolarControl-9 | Lowest Solar Heat Gain Coefficient | Quad Pane with Suspended Film, Krypton Gas Fill | 0.13 | 7.7 | 0.15 | 0.34 |
| | HighGain-9 | Low U-factor, High Gain/ Passive Solar Homes | Quad Pane with Suspended Film, Krypton Gas Fill | 0.13 | 7.7 | 0.30 | 0.42 |

DESIGNING WITH ALPENGLASS:

Alpenglass Balanced

Optimal blend of low U-factor and moderate solar control, a well-rounded solution for high performance homes in all climates

Alpenglass SolarControl

Extra protection against unwanted solar gain to keep spaces cool in summer and swing seasons, ideal for West- and South-facing windows in most climates

Alpenglass HighGain

Maximum light and solar heat gain, ideal for passive solar homes and North-facing and wellshaded windows in spaces where more daylight is desired

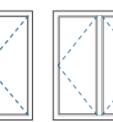
WINDOW AND DOOR TYPES

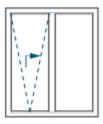












2-Panel Tilt Glide Doors

Fixed Window

Hopper Window Tilt Turn/ Hopper Window

Combination Units

Side-Hinged

French Doors

FINISH OPTIONS

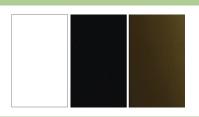
Standard Color White

Upgrade Color Options

Black or Bronze

Custom Finishes

Please call to inquire about the availability of custom laminated foil and painted finishes.





German-engineered Roto® NT window handles are available in the following standard finishes: White, Black, Dark Bronze and Nickel Silver

Please call to inquire about the availability of custom handle finishes.









Acoustic Insulation ASTM E90 Acoustical Up to 45 dB