



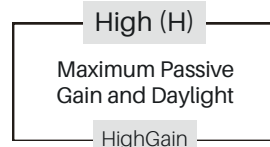
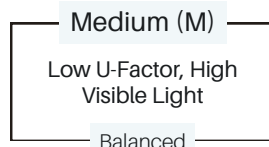
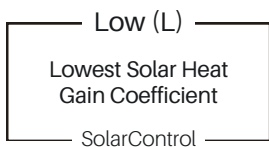
# Tyrol Series NFRC Data



National Fenestration  
Rating Council®





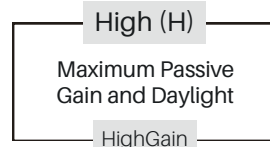
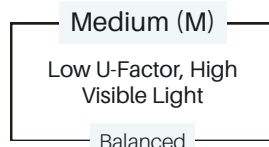
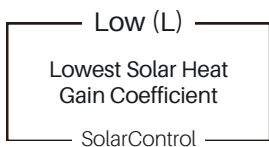


## Tyrol Series TR-5 Performance Data



| TR-5 FULL FRAME NFRC DATA |               |          |         |      |      |    |                           | CENTER-OF-GLASS PERFORMANCE |         |      |      |
|---------------------------|---------------|----------|---------|------|------|----|---------------------------|-----------------------------|---------|------|------|
| TYPE                      | GLASS PACKAGE | U-FACTOR | R-VALUE | SHGC | VT   | CR | AIR INFILTRATION          | U-FACTOR                    | R-VALUE | SHGC | VT   |
| <br>Fixed                 | 5L TGT        | 0.19     | 5.3     | 0.20 | 0.47 | 72 | <0.01 cfm/ft <sup>2</sup> | 0.18                        | 5.6     | 0.25 | 0.60 |
|                           | 5M TGT        | 0.19     | 5.3     | 0.31 | 0.52 | 72 | <0.01 cfm/ft <sup>2</sup> | 0.19                        | 5.3     | 0.39 | 0.66 |
|                           | 5H TGT        | 0.20     | 5.0     | 0.48 | 0.58 | 71 | <0.01 cfm/ft <sup>2</sup> | 0.19                        | 5.3     | 0.60 | 0.73 |
| <br>Tilt-Turn/Hopper      | 5L TGT        | 0.19     | 5.3     | 0.17 | 0.40 | 73 | 0.02 cfm/ft <sup>2</sup>  | 0.18                        | 5.6     | 0.25 | 0.60 |
|                           | 5M TGT        | 0.20     | 5.0     | 0.26 | 0.45 | 73 | 0.02 cfm/ft <sup>2</sup>  | 0.19                        | 5.3     | 0.38 | 0.66 |
|                           | 5H TGT        | 0.20     | 5.0     | 0.41 | 0.50 | 72 | 0.02 cfm/ft <sup>2</sup>  | 0.19                        | 5.3     | 0.60 | 0.73 |

## Tyrol Series TR-6 Performance Data



| TR-6 FULL FRAME NFRC DATA |                    |          |         |      |      |    |                           | CENTER-OF-GLASS PERFORMANCE |         |      |      |
|---------------------------|--------------------|----------|---------|------|------|----|---------------------------|-----------------------------|---------|------|------|
| TYPE                      | GLASS PACKAGE      | U-FACTOR | R-VALUE | SHGC | VT   | CR | AIR INFILTRATION          | U-FACTOR                    | R-VALUE | SHGC | VT   |
| <br>Fixed                 | SolarControl-6 TGT | 0.14     | 7.1     | 0.20 | 0.45 | 75 | <0.01 cfm/ft <sup>2</sup> | 0.12                        | 8.3     | 0.25 | 0.57 |
|                           | Balanced-6 TGT     | 0.14     | 7.1     | 0.28 | 0.46 | 79 | <0.01 cfm/ft <sup>2</sup> | 0.12                        | 8.3     | 0.36 | 0.58 |
|                           | HighGain-6 TGT     | 0.15     | 6.7     | 0.45 | 0.56 | 78 | <0.01 cfm/ft <sup>2</sup> | 0.13                        | 7.7     | 0.58 | 0.71 |
| <br>Tilt-Turn/Hopper      | SolarControl-6 TGT | 0.15     | 6.7     | 0.17 | 0.39 | 80 | 0.02 cfm/ft <sup>2</sup>  | 0.12                        | 8.3     | 0.25 | 0.57 |
|                           | Balanced-6 TGT     | 0.15     | 6.7     | 0.24 | 0.39 | 80 | 0.02 cfm/ft <sup>2</sup>  | 0.12                        | 8.3     | 0.36 | 0.58 |
|                           | HighGain-6 TGT     | 0.15     | 6.7     | 0.39 | 0.48 | 80 | 0.02 cfm/ft <sup>2</sup>  | 0.13                        | 7.7     | 0.58 | 0.71 |

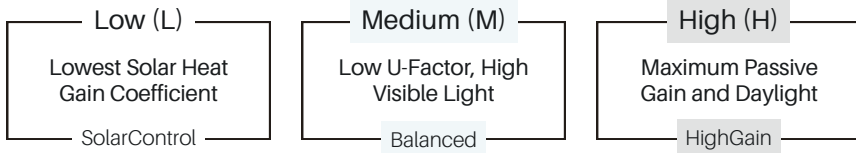


## Tyrol Series TR-7 Performance Data



| TR-7 FULL FRAME NFRC DATA   |                    |          |         |      |      |    |                           | CENTER-OF-GLASS PERFORMANCE |         |      |      |
|---|--------------------|----------|---------|------|------|----|---------------------------|-----------------------------|---------|------|------|
| TYPE  | GLASS PACKAGE      | U-FACTOR | R-VALUE | SHGC | VT   | CR | AIR INFILTRATION          | U-FACTOR                    | R-VALUE | SHGC | VT   |
| <br>Fixed            | SolarControl-6 TGT | 0.13     | 7.5     | 0.19 | 0.45 | 81 | <0.01 cfm/ft <sup>2</sup> | 0.12                        | 8.3     | 0.25 | 0.58 |
|   | Balanced-6 TGT     | 0.13     | 7.5     | 0.28 | 0.46 | 81 | <0.01 cfm/ft <sup>2</sup> | 0.12                        | 8.3     | 0.36 | 0.58 |
|   | HighGain-6 TGT     | 0.14     | 7.2     | 0.45 | 0.56 | 80 | <0.01 cfm/ft <sup>2</sup> | 0.12                        | 8.3     | 0.58 | 0.71 |
| <br>Tilt-Turn/Hopper | SolarControl-6 TGT | 0.14     | 7.1     | 0.17 | 0.38 | 80 | 0.02 cfm/ft <sup>2</sup>  | 0.12                        | 8.3     | 0.25 | 0.58 |
|   | Balanced-6 TGT     | 0.14     | 7.0     | 0.24 | 0.39 | 80 | 0.02 cfm/ft <sup>2</sup>  | 0.12                        | 8.3     | 0.36 | 0.58 |
|   | HighGain-6 TGT     | 0.15     | 6.8     | 0.39 | 0.48 | 79 | 0.02 cfm/ft <sup>2</sup>  | 0.12                        | 8.3     | 0.58 | 0.71 |

## Tyrol Series TR-9 Performance Data

| TR-9 FULL FRAME NFRC DATA   |                    |          |         |      |      |    |                           | CENTER-OF-GLASS PERFORMANCE |         |      |      |
|---|--------------------|----------|---------|------|------|----|---------------------------|-----------------------------|---------|------|------|
| TYPE  | GLASS PACKAGE      | U-FACTOR | R-VALUE | SHGC | VT   | CR | AIR INFILTRATION          | U-FACTOR                    | R-VALUE | SHGC | VT   |
| <br>Fixed            | SolarControl-6 TGT | 0.12     | 8.5     | 0.18 | 0.42 | 85 | <0.01 cfm/ft <sup>2</sup> | 0.10                        | 10.0    | 0.23 | 0.54 |
|   | Balanced-6 TGT     | 0.12     | 8.5     | 0.26 | 0.42 | 85 | <0.01 cfm/ft <sup>2</sup> | 0.09                        | 11.1    | 0.33 | 0.54 |
|   | HighGain-6 TGT     | 0.12     | 8.2     | 0.42 | 0.52 | 84 | <0.01 cfm/ft <sup>2</sup> | 0.10                        | 10.0    | 0.54 | 0.56 |
| <br>Tilt-Turn/Hopper | SolarControl-6 TGT | 0.13     | 7.8     | 0.16 | 0.36 | 84 | 0.02 cfm/ft <sup>2</sup>  | 0.10                        | 10.0    | 0.23 | 0.54 |
|   | Balanced-6 TGT     | 0.13     | 7.8     | 0.23 | 0.36 | 84 | 0.02 cfm/ft <sup>2</sup>  | 0.09                        | 11.1    | 0.33 | 0.54 |
|   | HighGain-6 TGT     | 0.13     | 7.6     | 0.36 | 0.44 | 84 | 0.02 cfm/ft <sup>2</sup>  | 0.10                        | 10.0    | 0.54 | 0.56 |



# Tyrol Series TR-11 Performance Data

| TR-11 FULL FRAME NFRC DATA  |                     |          |         |      |      |    |                           | CENTER-OF-GLASS PERFORMANCE |         |      |     |
|---|---------------------|----------|---------|------|------|----|---------------------------|-----------------------------|---------|------|-----|
| TYPE  | GLASS PACKAGE       | U-FACTOR | R-VALUE | SHGC | VT   | CR | AIR INFILTRATION          | U-FACTOR                    | R-VALUE | SHGC | VT  |
| <br>Fixed            | SolarControl-11 TGT | 0.09     | 11.1    | 0.17 | 0.4  | 75 | <0.01 cfm/ft <sup>2</sup> | 0.07                        | 14.3    | 0.21 | 0.5 |
| <br>Tilt-Turn/Hopper | SolarControl-11 TGT | 0.11     | 9.3     | 0.15 | 0.34 | 74 | 0.02 cfm/ft <sup>2</sup>  | 0.07                        | 14.3    | 0.21 | 0.5 |