ProCurve
GLASS DESIGN, INC.
High Performance Marine Laminated Flat and Curved Glass

ProCurve ThermoTint Glass

Product Information

Description: ProCurve ThermoTint Glass incorporates a heat sensitive film in the laminate construction. This thermochromic product passively switches when the surface temperature of the glass changes. The windows change from clear to a dark tinted state as the temperature rises.

Why Use Thermotint Glass?

1-In a continuously changing environment, traditional glass is fixed.
2-A fixed performance is chosen, and a compromise has to be made to determine the trade-off between Visible Light Transmission (VLT) and Solar Heat Gain Coefficient (SHGC).
3-Thermochromic technology enables a dynamic response that enhances design freedom, maximizes daylight, and controls solar heat gain.

Additional Benefits:

View preservation
Heating/cooling load reduction
Sound attenuation
Safety/hurricane
UV filtration to help minimize fading

ProCurve Glass Laminated Product Size Capabilities:

Maximum width: 65 inches
Maximum length: 204 inches

Product Thermal Characteristics:

(Exterior Tint)	Low-E VLT (Clear > Tinted)		SHGC (Clear > Tinted)		Total Solar Transmission (Clear > Tinted)	
Clear laminated w/ low E	0.56	0.08	0.40	0.25	0.27	0.08
Low-iron laminated w/ low E	0.57	0.08	0.42	0.26	0.28	0.08
Medium Grey laminate w/ low E	0.40	0.06	0.33	0.23	0.19	0.05
Grey laminate w/ low E	0.37	0.06	0.37	0.23	0.20	0.06
Medium Blue laminated w/ low E	0.36	0.05	0.33	0.23	0.18	0.06

The U-value is 0.23/0.24 for all of the products listed above
Clear values are based on a temperature at 42 ^{0}F and Tinted at 149 ^{0}F
Reflectance IN: 0.10 (Clear) / and 0.09 (Tinted)
Reflectance OUT: 0.10 -0.06 (Clear) and various with tint in glass)