# ProCurve HeatShield

***Description:*** ProCurve HeatShield is an energy-saving spectrally selective coating that can be added to standard flat and curved laminated glass that reduces solar heat gain, creating a more comfortable interior environment. This performance feature is especially beneficial in climates that experience intense heat.

***Benefits include:***

-Daylighting - 70% Visible light transmittance (Tvis)
-Energy Savings – Up to a 50% reduction in Solar Heat Gain
-Fade Reduction – Blocks up to 99% harmful UV rays
-Uniform appearance
-Noise reduction

It is important to note that the addition of HeatShield may result in a color shift in the appearance of the glass. Edge deletion of the coating may be required.

## *What causes solar heat gain?*

Solar heat gain is the increase in thermal energy that passes through the glazing of a vehicle, boat, or building due to solar radiation. The amount of solar gain is a function of the total incident solar irradiance and of the ability of the glazing to transmit or resist the radiation.

## *What is a Solar Heat Gain Coefficient?*

The solar heat gain coefficient is the ratio of transmitted solar radiation to incident solar radiation that passes through the window opening. The lower the SHGC, the better the performance of the window. The higher the SHGC, the more solar heat the window is letting in. An SHGC of .40 means that 40% of the sun's solar radiation will pass through the window into the interior space.

## *Product Optical Characteristics:*

| Product | Thickness | Transmittance | | Reflectance | | SHGC | UV Transmittance |
|---|---|---|---|---|---|---|---|
| | | Tvis | Solar | Daylight | Solar | | |
| Clear | ¼ inch | .88 | .71 | .08 | .07 | .78 | 0 |
| Clear/HS | ¼ inch | *.73* | .33 | .09 | *.33* | .44 | 0 |
| Clear | ½ inch | *.85* | .63 | .08 | *.06* | .73 | 0 |
| Clear/HS | ½ inch | *.71* | .32 | .08 | *.30* | .44 | 0 |

*For more information on ProCurve HeatShield, contact Customer Service, 215-441-0901.*