

# Quick Facts Solar Control

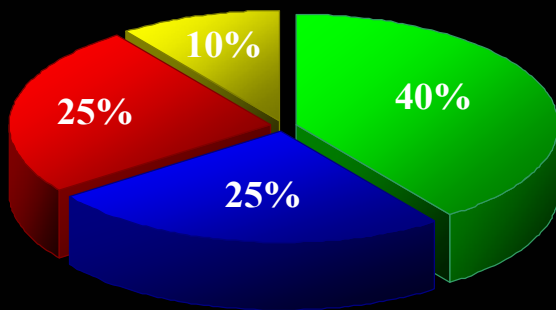
The charts and information listed below help to address the many questions about the Solar Spectrum and its effect on Heat and Fading. There are three main sections of the solar spectrum that generate energy coming through your windows or glass. The definitions and breakdown is listed below...

**Ultraviolet** (100-380 nanometers) – Invisible and energetic wavelengths made up of UV-A, UV-B and UV-C rays. While UV-C rays are filtered by the earth's atmosphere, most people are concerned with UV-A and UV-B rays. Madico films will block 99%+ of these harmful rays.

**Visible Light** (380-780 nanometers) – The only part of the spectrum visible to the naked eye, visible light is the one factor that most people can recognize right away. Visible light represents 44% of the sun's radiant energy and 25% of the causes of fading.

**Infrared** (780-2400 nanometers) – The final segment is made of rays we can feel but not see. These invisible rays represent the largest source of the radiant energy 54% and also contribute to the causes of fading (25%).

Madico offers various types of window films to control each of these three factors. Consult with your authorized Madico dealer for the best window film that meets your specific needs.



## *Facts about Fading*

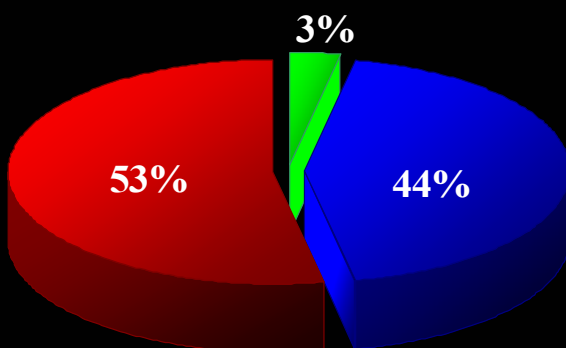
40% Ultraviolet

25% Visible Light

25% Infrared

10% Miscellaneous - \*

\* - The remaining 10% of fading comes from the interior of your home from items such as artificial lighting, humidity, dye fastness and pollutants (i.e. ozone, vapors).



## *Facts about Solar Heat Gain*

53% Infrared

44% Visible Light

3% Ultraviolet (UV)