

Clubhouse Energy Savings

Everyone has seen the mirror type of window tinting that has been around for years. However window tinting has come a long way in the past few years with tinting films that may not be clear but are barely noticeable as compared to several years ago with the older type tinting films.

Clubhouses with many windows can benefit the most from window tinting. Window tinting not only prevents glare, but can significantly impact heat gain or loss. Tinting is also much more economical than replacement windows in most cases. Window tint films can reject up to 79% of the heat that would otherwise come through the window. This can translate into a savings of about one ton of air conditioning for every 100 square feet of glass exposed to sunlight.

During the winter months tinting film keeps warm air in by reflecting man-made heat back into the structure. It is estimated that this can reduce heat loss by up to 30% during winter months. An added benefit is that a more energy-efficient clubhouse puts less strain on your heating and cooling system and thus reduces maintenance and extends the life of the system. Tinting films can block out up to 99% of UV rays, thus protecting carpet and furniture from fading.

Energy costs will most certainly be reduced and the amount of money saved depends upon the type of film selected. Certain property-specific factors such as HVAC systems and window locations within the structure have an impact on savings as well.

Currently most window film is made of polyester fibers that are transformed during the manufacturing process to produce a thin, transparent film that adheres to glass when a pressure sensitive adhesive is activated by a mild solution of dishwashing detergent and water. Films are maintenance-free and vary in reflectivity from low reflectivity to high reflectivity, and range in color from neutral to silver.

Tinting film is typically installed on the interior side of a window, but exterior applications can be performed. The useful life expectancy of window film is dependent upon many factors (climate, exposure to sun, etc.); however, the average life expectancy is ten years and some have lasted beyond twenty years.