

## Understanding of window film

- Window film generally combines some form of plastic with an adhesive to create a covering for windows.
- It is available for commercial or residential use, and there are also options made especially for automotive use.
- Window film offers not only different looks and styles, but also different functions.
- A common function of window film is to limit sunlight.
- Some styles offer a reflective coating, which helps to protect against UV rays, prevent fading of interior furnishings, and keep cooling costs down by limiting heat.

## Care and Maintenance

- Once window film has been installed, it's very common to see a slight haziness and/or small water pockets.
- This is a normal part of the adhesive bonding process called "curing". Depending on the film type and weather conditions, it may take up to 30 days for the film to be fully cured.
- The curing process is slow because the remaining water used in installation must evaporate through the film.
- Sputtered and heavy security films take the longest to dry and will take longer for any hazy appearance to disappear.
- Once the film is dry and cured, it's then safe for the film to be cleaned. The best cleaner is a simple solution of water and a small amount of soap.
- Clean the window and then squeegee dry with overlapping strokes in the same way you would clean the outside of your car windows.
- You may also clean the film surface with any normal strength glass cleaner.
- Products with ammonia will not damage the film if used in reasonable quantities and if the film is not left to soak in it.
- Do not use any abrasive cleaners, industrial strength glass cleaners and/or any other window cleaning tools that may scratch the window film.
- Remember, the surface of the film is coated with a scratch resistant not scratch proof coating.

## How Window Film Effects Glass

- While glass windows in today's homes, offices and buildings provide a necessary function and aesthetic appeal, they can become extremely dangerous, even deadly, when shattered or broken panes transform into flying "shards" of glass. Natural hazards, accidents and crime all pose potential risks to most glass systems existing today.
- Fortunately, there is a preventative solution that can greatly reduce the risk of human injury and property damage. The installation of our film offers protection to people and property. The durable polymer film construction and tough adhesive bonds to glass, creating a functional "safety net" that holds glass in place at impact.
- Glass is designed to be a barrier from the elements (i.e. wind, rain and snow) while providing a natural view of the outside world. When solar energy – comprised of heat, light and UV Rays – hits a glass window almost 90% of the energy is transmitted inside.
- When window film is applied to glass, its properties, including special dyes and/or metals incorporated within the film act as a solar energy barrier. The film either absorbs part of the energy or reflects a portion of the energy away from the glass. The level of absorption and reflectance depends on how the film is constructed. Dyed films contain no metal and are considered non-reflective because they only absorb solar energy. They are not as effective in controlling solar heat.

