



Hazy Appearance on Windows/Films

Example Without Film:



Low Angle Haze:

This is a matter of sun angle that causes the haze to appear under certain times/ sun angles. Haze is an optical phenomenon that makes the glass or film look like it is covered in a fine layer of dust when viewed from an oblique angle or strong incident light. There are a couple reasons this happens. When the light transmits through the glass it can refract off the multiple surfaces; the front of the glass, back surface of the glass and added films. The refraction index of these materials can cause some haze. Another factor is the surface roughness. Though glass and the window films feel smooth to the touch, when looked at under a microscope you can see they have some amount of surface roughness. When the light hits this rough surface at the right angle the light scatters. This scattering of the light is what we perceive as haze. It happens with plain glass under the right conditions as well as with window film.