

SITE

Tuxedo Firehouse

SITE LOCATION

Tuxedo, New York

VISTA® PRODUCTS USED

Mirage V38

Mirage V38 Safety

Protecting The Protectors



The newly built, state of the art firehouse of Company One, Tuxedo Fire Department, makes use of the very latest fire safety technology, strictly conforming to Federal and State building codes. Modernity notwithstanding, the new firehouse appears as if it had been built in the early 1900s to blend naturally into the historic town environment.

The old firehouse had served the community for nearly half a century; however, it was designed to house and maintain only two fire trucks. As the years passed, the building was unable to accommodate additional and newly designed

equipment, thereby endangering the safety of Company One's thirty-five volunteer firefighters.



Large glass paneled doors now provide easy passage for the major fire fighting trucks and emergency vehicles, while multiple glass windows provide an aesthetically

pleasing facade. These same large expanses of glass can also create problems if not treated ... from the high cost of frequent repainting of fire trucks to the replacement of firefighter uniforms, hoses, etc. The architect anticipated these problems and had Vista® Mirage Solar Control Window Film professionally installed immediately after the building's completion for protection.

Significant maintenance costs are usually sustained because the sun's ultraviolet rays penetrate the glass windows, washing out the bright red paint on fire trucks and compromising the integrity of fire suits, fire hoses and other equipment. After consulting the local Vista® dealer, Vista® Mirage film was chosen and installed on the windows. The dual reflective film stops virtually all (99.9%) of the sun's ultraviolet rays from entering the firehouse and coincidentally reduces solar heat by 47% and the sun's glare by 58%, yielding a total of 56% of solar energy reduction. (Ultraviolet rays and heat are the primary cause of fading.) The dual reflective film, whose inside and outside surfaces have different light

protection



reflectance values, provides excellent visibility at all times of day and night. For added safety Vista® Mirage Safety film, a thicker six-mil film, was installed on the large garage doors. The thickness of the safety film and a unique bonding system are key factors in the extra protection provided. In the event of damage, Mirage Safety film will help hold shattered glass in place together and help prevent glass fragments from becoming dangerous projectiles to firefighters and other occupants inside the firehouse. The film also deters vandals in case of a break-in.



Company One's new firehouse and improved fire fighting capabilities, which were paid for entirely by volunteers, now stands ready to serve the community for years to come, while its firefighters are being protected as well.