

【ABSTRACT】

This invention provides an enhanced protective films system and mounting method thereof. The enhanced protective films system includes two transparent films. The first layer is a flexible film, and the second layer is composed of at least one layer with high tensile strength. The first layer is made of transparent polymeric film, the tensile strength of which is more than 2000psi and the elongation of which is more than 100%. The second layer is made of the transparent film(s), the tensile strength of which is more than 9000psi. The enhanced protective films system also includes reinforcement structure, which is coupled with the edges of the first and the second layers. The reinforcement structure is selected from the group consisting of metal/plastic strapping, angle steel, combined anchors, anchoring cables and cable catcher system. Embodiments of the invention are suitable to be deployed in buildings and structures as protection against blasts and explosions, in window, full height glazing assembly, and curtain walls. In addition to the enhanced level of protection, embodiments of the invention are particularly advantageous in retaining the transparency of the window panel. Also, the installation will not affect the aesthetics of the building and its interior. Further, installation of embodiments of the enhanced protective film system invention requires little additional space.