



IMPORTANT NOTICE!

The installation aspect is particularly critical for safety/security film products. It should also be emphasized that factory accreditation is required for installations of 8 - 15 mil films.

There has been a revision to the installation techniques for Magnum safety & security films products, particularly for thicker films.

For the final installation step, there are two (2) approaches for trouble free installation of LLumar Magnum safety & security film products, and they are recommended for use by all Magnum accredited installers when installing films that are 8 mil or thicker.

There are some specific installation items that should be highlighted:

- ❖ Use a combination of the Performax handle and the Blue Max squeegee (squared) for maximum mounting solution removal.
- ❖ The Performax handle can also be modified, as shown in the attached Technical update.
- ❖ There is also the option of using a “Thor’s Hammer”, which encompasses the above two tools, but adds an extension tee for maximum force.
- ❖ The Blue Max squeegee (Narrow)
- ❖ Film-On is the **only** mounting solution that is recommended by the factory for Magnum safety/security film products. The recommended ratio is 6-8 ml of Film-On (concentrate) per 1 L of water. This is the optimum ratio as too much concentrate will adversely affect the bonding strength of the film to the glass.
- ❖ The first pass should be done using a standard window washing squeegee. This will remove the excess solution, leaving only a thin layer of moisture between the film and glass.
- ❖ One FIRM pass of the squeegee with slight overlapping strokes is the recommended technique.
- ❖ If the first pass is done correctly subsequent passes can be made, to eliminate all of the moisture. Please beware that if the first pass is not done correctly, multiple passes can cause “champaging” in the film.
- ❖ Squeegeeing is not to extend beyond the boundaries of shoulder-to-shoulder, no higher than eye level and no lower than your waist.