

laservision

Mounting and cleaning recommendations for laservision laser protection lenses and panes based on PMMA:

Mounting:

- Do not remove the protective film before installing the panes completely
- During assembly, it is essential to ensure that the panes are installed unstressed. This means that there must be enough space for expansion in the frame or the bracket. A selective fixation should also be avoided.
- PMMA expands, in relation to one meter, by approx. 0.8 - 1.0 mm per 10° C temperature rise. This means for example, that at an outside temperature of approx. 50°C the pane expands in both directions by approx. 2.5 - 3.0 mm.
- If the window cannot expand, it is under tension. This in turn leads to permanent stress in the pane and can lead to stress cracks.
- This process is reinforced using unsuitable cleaning substances. The resulting cracks can ultimately even break the material.

Cleaning:

If cleaning is necessary after the protective film was carefully removed, proceed as follows:

- For usual soiling laservision recommends the use of purely water. If necessary, some cleanser (cleanser without any alcohol additions!!) can be added.
- Persistent dirt can be removed with 99.99% isohexane
- Leather towels are suitable for cleaning but should never be used dry. The use of soft, lint-free cotton towels is also recommended.

In general, the following cleanser are recommended for PMMA panes:

- For a care cleansing: BURNUS antistatic plastic cleaner- & care
- For an intensive cleaning: BURNUS plastic intensive cleaner
- Don't let the cleaner dry on the pane
- After cleansing, rinse thoroughly with clear water
- Wipe dry

- ATTENTION: DO NOT BLOW THE PANE WITH COMPRESSED AIR IF IT IS NOT INSTALLED -