

Glass wing clamp profile with silicone

Silicone characteristics

Use exclusively adhesives designed for structural bonding of glass that have the following characteristics:

- excellent mechanical properties;
- excellent adhesion on the anodized and painted aluminium profiles;
- quick polymerization;
- excellent resistance to atmospheric agents, ultraviolet radiation, heat and humidity.



CAUTION

In order to obtain an ideal bonding of the glass, use only high-performance structural adhesives and follow the technical instructions provided by the manufacturer of the chosen adhesive (not contained in this manual) during application. Check, however, the compatibility between the weight of the chosen glass and the load specifications indicated by the manufacturer of the chosen adhesive.

Profile cutting, siliconging and assembly

For wing realization using the profile clamp with silicone it is possible to use heat-strengthened glass or compound glass measuring 10 mm.

For correct assembly of the glass wing, proceed as follows:

- Cut the aluminium clamp profile at a height equal to the width of the glass.
- Perfectly clean and dry the internal parts of the aluminium profile and the surfaces of the glass, removing any trace of contaminants such as grease, oil, water, dust, etc.
- Apply the adhesive silicone (A) without interruptions for the entire length and height, on both parts, of the special internal serrated part of the profile.
- Slip the clamp profile (B) onto the glass: the coupling must occur before the curing of the silicone begins.
- Apply the special profile finishing cap (C) to the two ends of the glass wing clamp.
- After application, clean off any silicone smudges on the glass.
- In order to allow the regular hardening of the adhesive, it is advisable to install the wing about 24 hours after the silicone application.

Use M8 x 16 hexagon screws with plain washer for fastening to the automatism carriages.

