

Installation Design-Aluminium bar



The assembly with the Design-Aluminium bar is a particularly elegant form, it is suitable for almost all window types. You can have the bar powder-coated in any colour or match the window colour with a standard spray paint. The Design-Aluminium bars are available in anodised, anthracite and white as standard.



Determine the appropriate length of the Design-Aluminium bar by measuring the height and width of the window. For example, for a window measuring 100 x 80cm you will need four aluminium bars, each 1.2m long, which you shorten to the respective side length. For large windows, we recommend the aluminium bars in the length of 2 m.

You will need the following parts for the assembly of the Design-Aluminium bar:

- **Design-Aluminium bars** in 1.2m or 2.0m length
- **Sanding pad** to grind the aluminium bar.
- **Special cleaning agent** to clean the aluminium bar and the window pane before assembly.
- **Primer**, to increase the adhesive strength.
- **Double-sided adhesive tape** from T-STRIPE to fix the aluminium bar to the window pane.

READ THE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE STARTING INSTALLATION!

Important: For installation, the window pane must be at least 20°C warm (this temperature is prescribed for processing the special adhesive tape)! You can therefore heat the entire surface of the window in winter with a radiant heater or similar.



Image 1: Cutting jig

The following tools are required for mounting the aluminium bar:

- Mitre saw
- Cutting jig for mitre cut
- File for deburring the cut surfaces
- Cleaning rags

1. Cut the aluminium bars in the cutting jig with the mitre saw to the length or width of the glass pane (Image 1), interrupting the aluminium bar approx. 30 mm at the point of the connection set (Image 2). Take care that the aluminium bar expands as it heats up. You should therefore cut one millimetre shorter per metre (e.g. if the bar is to be 1400mm long, you must cut the strip at least 1.4mm shorter - i.e. to 1398.6mm).
2. The edges of the cut surfaces must be rounded off (deburred) on the inside with a file so that the T-STRIPE heating element is not damaged.
3. For powder-coated aluminium bars, sand the sides of the aluminium bars which are glued to the window with the sanding pad. (Image 3)
4. Now clean the outermost edge of the window pane and the Design-Aluminium bars with the special cleaner. Take care not to touch the pane and the adhesive side of the aluminium bar afterwards, otherwise the adhesive tape will not adhere.
5. For powder-coated aluminium bars, apply a thin layer of the primer as described in the "Primer Silane" instructions.
6. Apply the double-sided adhesive tape to the cleaned side of the aluminium bars, but do not remove the red protective film yet. The adhesive tape can compensate for the linear expansion of the aluminium strip! Observe the installation instructions for the double-sided adhesive tape (these are enclosed with the adhesive tape). (Image 4)
7. Now you can insert the T-STRIPE heating element into the first aluminium bar. Start at the point where the power cable will later be connected. You can use a cable pulling wire as an aid.



Image 2



Image 3: Sanding pad



Image 4: Double-sided adhesive tape

Tip: To increase the adhesive strength, the primer can be applied thinly to the glass pane. It improves the bond with the glass pane.

8. Remove the red protective film from the adhesive tape.
9. Position the aluminium bar on the window pane and press it directly onto the glass along its entire length. Important: Press really hard and on the entire length, so that the aluminum bar does not come off after some time!
10. Repeat points 6 to 8 for the other aluminium bars around the window pane. (Image 5)

After you have mounted all the aluminium bars on the window pane, you can connect the power supply.



Image 5

Enjoy your condensation-free windows!

For installation instructions see www.t-stripe.com menu point "Service" under "Downloads".



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